MAVIC®

Technical Manual 2014

2014

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THIS DOCUMENT ONLY COVERS NEW PRODUCTS FOR 2014.

THIS DOCUMENT UPDATES YOUR TECHNICAL INFORMATION AND SHOULD THEREFORE BE KEPT CAREFULLY WITH THE MANUALS FROM PREVIOUS YEARS, WITH NO TIME LIMITATION. ALL INFORMATION ON PRODUCTS ALREADY INCLUDED IN PREVIOUS RANGES CAN BE FOUND IN THE TECHNICAL MANUALS PUBLISHED SINCE 1997. PLEASE VISIT THE INTERNET SITE WWW.TECH-MAVIC.COM TO FIND ALL EDITIONS OF THIS MANUAL PUBLISHED SINCE 1997.

www.tech-mavic.com

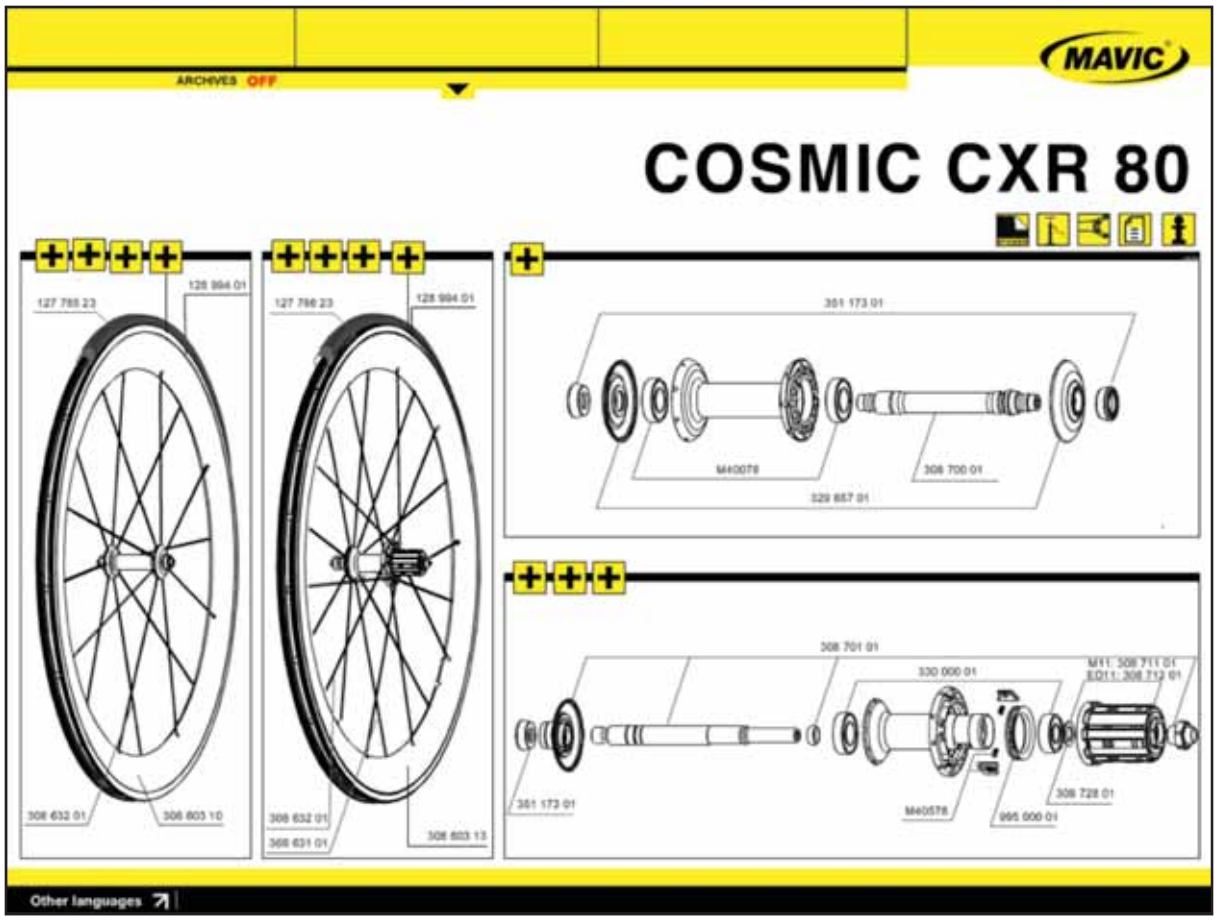
This website (in English, French, German, Spanish, Italian and Japanese) is at your complete disposal. All information about Mavic products released since 1997 is available in PDF format and downloadable from this easily accessible and user-friendly site.

Visit: **www.tech-mavic.com** where you will find all this information. To connect to this website you will need a user name and password:

User name: mavic-com
Password: dealer

Among other things on the website, you will find:

- The technical details on all Mavic products marketed since 1997 - wheels, rims, components - arranged by discipline and by product.
- 4 recap charts of spoke lengths and references for all our wheels, which will help you to manage your spoke stock.
- A program for calculating spoke length: starting with a Mavic rim, select the drilling, lacing pattern and the width of your hub, as well as the diameter of the flanges and the distances between the flange and the frame or fork support; the spoke length required to build your wheel will be calculated automatically.



We hope that this tool will meet your needs. Do not hesitate to point out any malfunctions you identify or improvements that you would like to see.

COSMIC CXR 60 *(tubular version)*

Use: for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TUBULAR

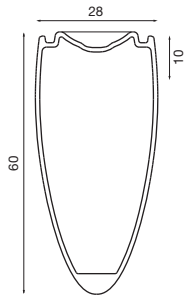
Front	730 g
Rear M11	895 g
Rear ED11	880 g

WHEEL REFERENCES

Front	352 081 10
Rear M11	352 082 11
Rear ED 11	352 083 12
Pair M11	352 084 14
Pair ED11	352 085 14

RIMS

SALES REFERENCES Front: 329 793 10
Rear: 329 793 13



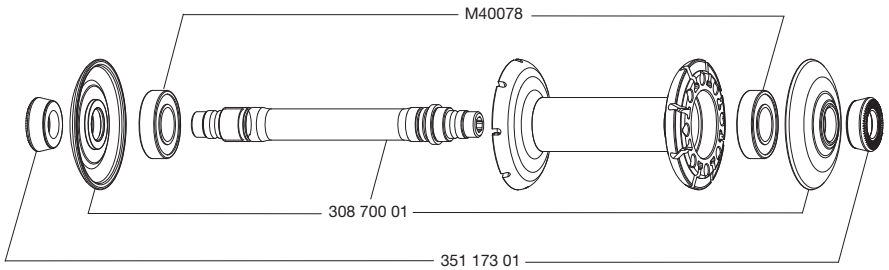
Ø VALVE HOLE
Ø: 6.5 mm

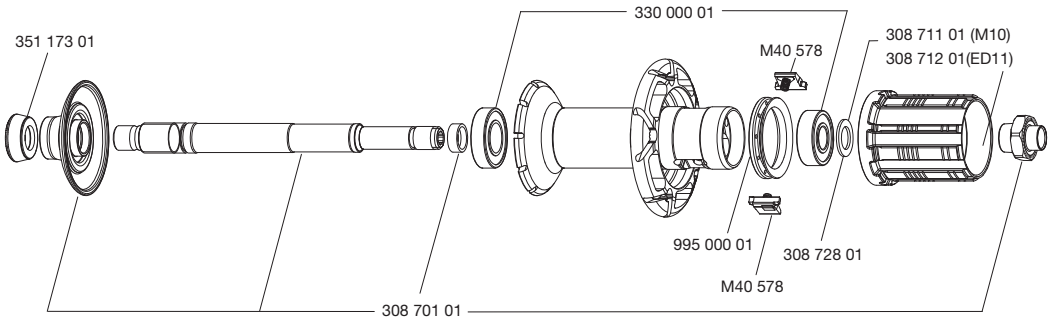
RECOMMENDED TYRE WIDTH
Dimensions: Ø 700 Tubular
Tubular width: 23 mm

When replacing the rear rim:
1. With the valve hole near you, turn the rim so that the “infobloc” label can be seen.
2. The second spoke to the right of the valve hole is a non-traction spoke and should be inserted in the drive side hub.

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS: Front and rear non-drive side: 329 796 01, length 255 mm (per 10, nipples included)
Drive side: 329 795 01, length 252 mm (per 10, nipples included)

FEATURES:
Black, swaged, bladed, straight pull steel spokes with steel ABS type spoke nipples

LACING PATTERN:
Front: radial
Rear: 2-crossed drive side, radial non-drive side

TENSION:
Front: 60 to 70 kg
Rear drive side: 100 to 110 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 601 front quick-release skewer M40149
- BR 601 rear quick-release skewer M40150
- Wheel bags M40135
- Mavic CXR specific brake pads for braking on a carbon brake track: HG/Sram/Mavic 128 443 01 or ED 128 444 01
- Valve extender 118 952 01
- Multifunction adjustment wrench 325 423 01
- Yksion CXR GripLink 23 mm front tubular (127 785 23)
- Yksion CXR PowerLink 23 mm rear tubular (127 786 23)
- CX01 blades 128 994 01
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- User manual
- Sheet of Mavic stickers

MAINTENANCE

Specific tool:
- Front bearing: M40120
- Rear bearing: M40120 & 351 266 01
- Spoke wrench: M40001

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims) **www.tech-mavic.com**

COSMIC CXR 60 *(clincher version)*

Use: for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TYRE

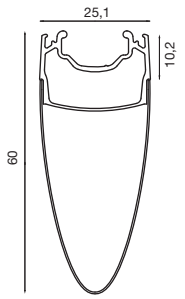
Front	820 g
Rear M11	1020 g
Rear ED11	1005 g

WHEEL REFERENCES

Front	354 675 10
Rear M11	354 676 11
Rear ED 11	354 677 12
Pair M11	354 678 14
Pair ED11	354 679 14

RIMS

SALES REFERENCES Front: 329 765 10
Rear: 329 765 13



Ø VALVE HOLE

Ø: 6.5 mm

RECOMMENDED TYRE WIDTH

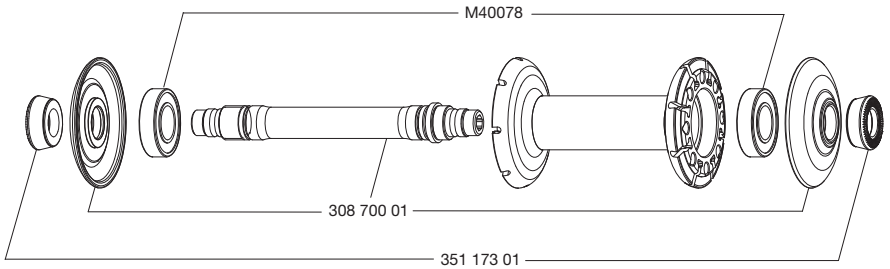
Dimensions: ETRTO 622x13C
Clincher width: 23 mm

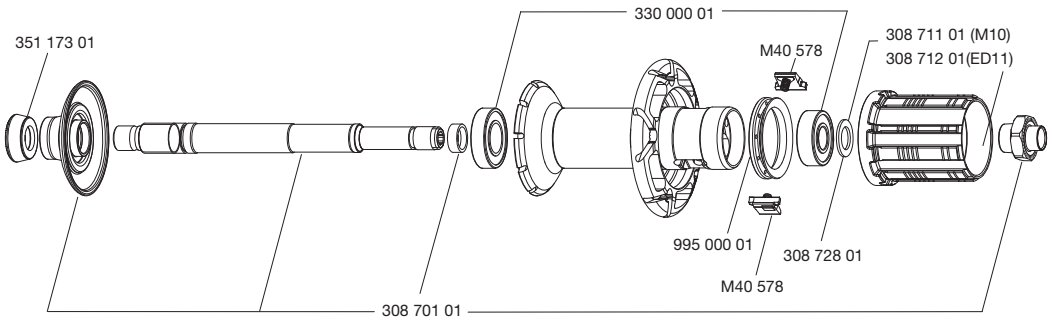
When replacing the rear rim:
1. With the valve hole near you, turn the rim so that the “infobloc” label can be seen.
2. The second spoke to the right of the valve hole is a non-traction spoke and should be inserted in the drive side hub.

EXALITH 2: for efficient and long-lasting braking performance, use only the special Mavic® Exalith 2® brake pads supplied with your wheels.
The use of other brake pads may be dangerous for the user and may void the warranty.
Please carefully read the “Exalith 2 Warning” provided with your wheels.
Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.
The brake pads can be ordered separately using the following references 129 888 01 (HG, Sram, Mavic) and 129 889 01 (ED)

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:
Front and rear non-drive side: 329 768 01, length 289 mm (per 10, nipples included)
Drive side: 329 767 01, length 287 mm (per 10, nipples included)

FEATURES:
Black, swaged, bladed, straight pull steel spokes with steel ABS type spoke nipples

LACING PATTERN:
Front: radial
Rear: 2-crossed drive side, radial non-drive side

TENSION:
Front: 80 to 90 kg
Rear drive side: 110 to 120 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 601 front quick-release skewer M40149
- BR 601 rear quick-release skewer M40150
- Rim strip 18x622 (1 per wheel)
- Wheel bags M40135
- Mavic CXR specific brake pads for braking on Exalith 2 brake track HG/Sram/Mavic 129 888 01 or ED 129 889 01
- Valve extender 118 952 01
- Multifunction adjustment wrench 325 423 01
- Yksion CXR GripLink 23 mm front clincher (326 733 23)
- Yksion CXR PowerLink 23 mm rear clincher (326 734 23)
- Mavic butyl inner tubes (127 385 01)
- CX01 blades 128 994 01
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- User manual
- Sheet of Mavic stickers

MAINTENANCE

Specific tool:
- Front bearing: M40120
- Rear bearing: M40120 & 351 266 01
- Spoke wrench: M40001

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims) **www.tech-mavic.com**

COSMIC CARBONE ULTIMATE 14

Use: for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

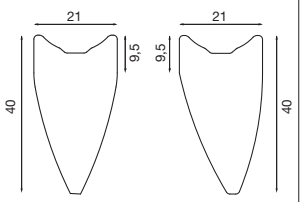
WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TUBULAR

Front	520 g
Rear M11	680 g
Rear ED11	665 g

WHEEL REFERENCES

Front	356 491 10
Rear M11	356 492 11
Rear ED 11	356 493 12
Pair M11	356 494 14
Pair ED11	356 495 14

RIMS



Ø VALVE HOLE

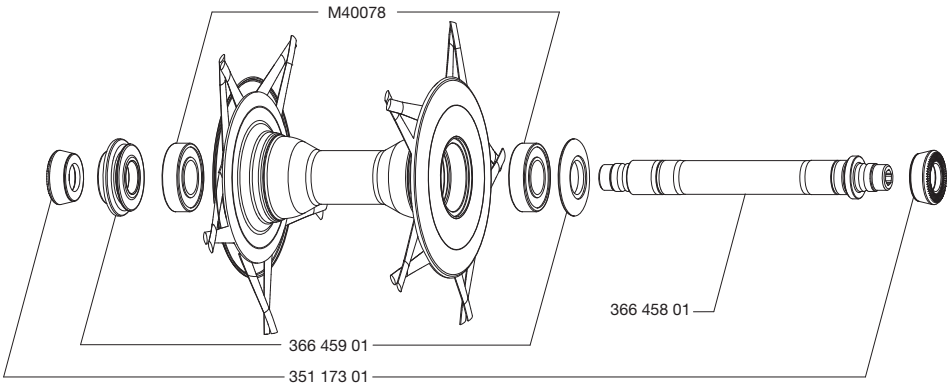
Ø: 6.5 mm

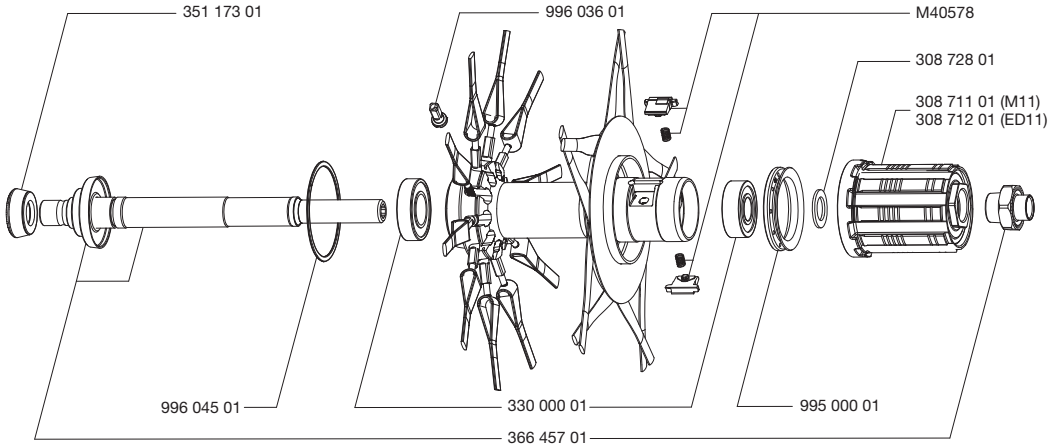
RECOMMENDED TYRE WIDTH

Dimensions: Ø 700 Tubular
Recommended tubular width: 19 to 28 mm

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

FEATURES: Unidirectional R2R carbon fiber spokes with brass ABS type spoke nipples

LACING PATTERN:
Front: 2-cross lacing on both sides
Rear: 2-crossed drive side, radial non-drive side

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 601 titanium front quick-release skewer 32348501
- BR 601 titanium rear quick-release skewer 32348601
- Wheel bags M40135
- Mavic brake pads for braking on a carbon brake track: HG/Sram/Mavic 120 131 01 or ED 120 132 01
- Valve extender 118 952 01
- Computer magnet M40540 (with front wheel)
- Multifunction adjustment wrench 325 423 01
- Yksion Pro SSC GripLink 23 mm front tubular (325 928 23)
- Yksion Pro SSC PowerLink 23 mm rear tubular (325 929 23)
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- User manual
- Sheet of Mavic stickers

MAINTENANCE

Specific tool:
- Front bearing: M40120
- Rear bearing: M40120

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

COSMIC CARBONE 40 *(tubular version)*

Use: for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TUBULAR

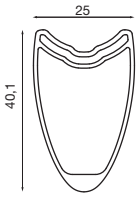
Front	635 g
Rear M11	815 g
Rear ED11	800 g

WHEEL REFERENCES

Front	328 183 10
Rear M11	328 184 11
Rear ED 11	328 185 12
Pair M11	328 186 14
Pair ED11	328 187 14

RIMS

SALES REFERENCES Front: 366 455 10
Rear: 366 456 13



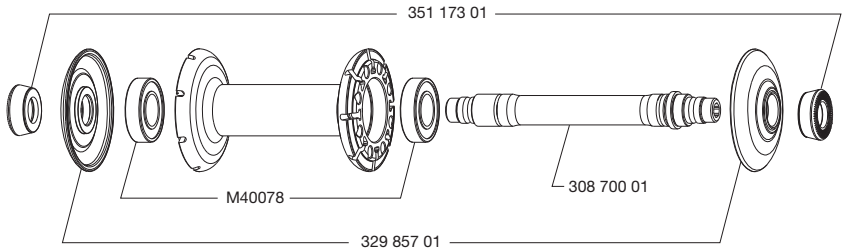
Ø VALVE HOLE
Ø: 6.5 mm

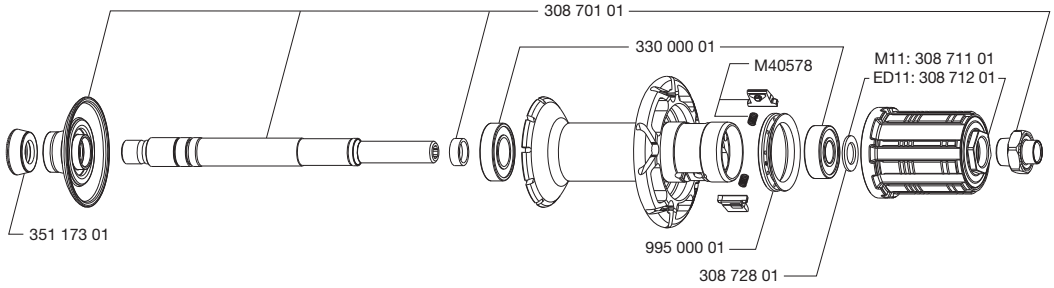
RECOMMENDED TYRE WIDTH
Dimensions: Ø 700 Tubular
Recommended tubular width: 19 to 32 mm

When replacing the rear rim:
1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The first spoke to the right of the valve hole is a non-traction spoke and should be inserted in the drive side hub.

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:
Front and rear non-drive side: 366 451 01, length 272 mm (per 10, nipples included)
Drive side: 366 450 01, length 270 mm (per 10, nipples included)

FEATURES:
Black, swaged, bladed, straight pull steel spokes with integrated aluminum Fore nipples

LACING PATTERN:
Front: radial
Rear: 2-crossed drive side, radial non-drive side

TENSION:
Front: 60 to 70 kg
Rear drive side: 100 to 110 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 601 front quick-release skewer M40149
- BR 601 rear quick-release skewer M40150
- Spoke wrench M40494 (with rear wheel)
- Wheel bags M40135
- Mavic brake pads for braking on a carbon brake track: HG/Sram/Mavic 120 131 01 or ED 120 132 01
- Computer magnet M40540 (with front wheel)
- Multifunction adjustment wrench 325 423 01
- Yksion Pro SSC GripLink 23 mm front tubular (325 928 23)
- Yksion Pro SSC PowerLink 23 mm rear tubular (325 929 23)
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- User manual
- Sheet of Mavic stickers

MAINTENANCE

Specific tool:
- Front bearing: M40120
- Rear bearing: M40120 & 351 266 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

COSMIC CARBONE 40 *(clincher version)*

Use: for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TYRE

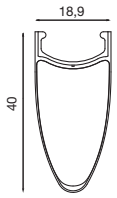
Front	670 g
Rear M11	890 g
Rear ED11	875 g

WHEEL REFERENCES

Front	359 914 10
Rear M11	359 915 11
Rear ED11	359 916 12
Pair M11	359 917 14
Pair ED11	359 918 14

RIMS

SALES REFERENCES Front: 329 782 10
Rear: 329 782 13



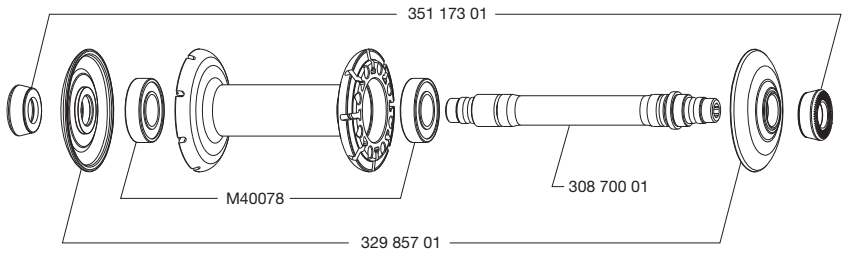
Ø VALVE HOLE
Ø: 6.5 mm

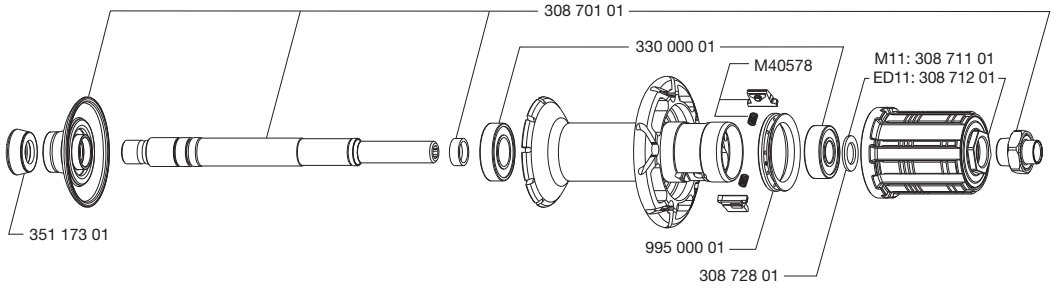
RECOMMENDED TYRE WIDTH
Dimensions: ETRTO 622x13C
Recommended clincher width: 19 to 28 mm

When replacing the rear rim:
1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The first spoke to the right of the valve hole is a non-traction spoke and should be inserted in the drive side hub.

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:
Front and rear non-drive side: 329 790 01, length 277 mm (per 10, integrated nipples)
Drive side: 329 789 01, length 275 mm (per 10, integrated nipples)

FEATURES:
Black, swaged, bladed, straight pull steel spokes with integrated aluminum Fore nipples

LACING PATTERN:
Front: radial
Rear: 2-crossed drive side, radial non-drive side

TENSION:
Front: 90 to 100 kg
Rear drive side: 130 to 140 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 601 front quick-release skewer M40149
- BR 601 rear quick-release skewer M40150
- Spoke wrench M40494 (with rear wheel)
- Mavic brake pads for braking on a carbon brake track: HG/Sram/Mavic 120 131 01 or ED 120 132 01
- Yksion Pro SSC GripLink 23 mm front clincher (325 930 23)
- Yksion Pro SSC PowerLink 23 mm rear clincher (325 931 23)
- Mavic butyl inner tubes (127 385 01)
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- Technical manual
- Sheet of Mavic stickers

MAINTENANCE

Specific tool:
- Front bearing: M40120
- Rear bearing: M40120 & 351 266 01
- Spoke wrench: M7/ 6 notches M40652

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

COSMIC CARBONE SLS

Use: for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TYRE

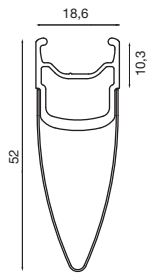
Front	765 g
Rear M11	945 g
Rear ED11	930 g

WHEEL REFERENCES

Front	328 189 10
Rear M11	328 190 11
Rear ED11	328 191 12
Pair M11	328 192 14
Pair ED11	328 193 14

RIMS

SALES REFERENCES Front: 120 171 10
Rear: 120 171 13



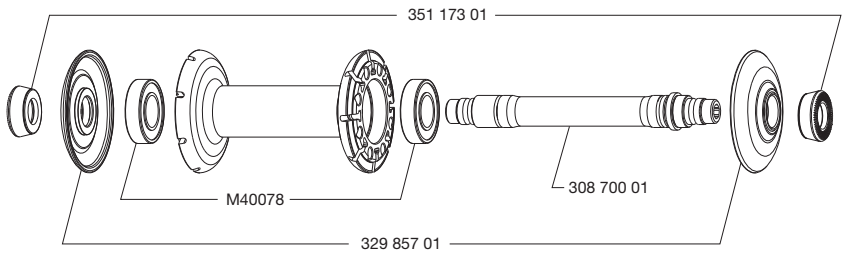
Ø VALVE HOLE
Ø: 6.5 mm

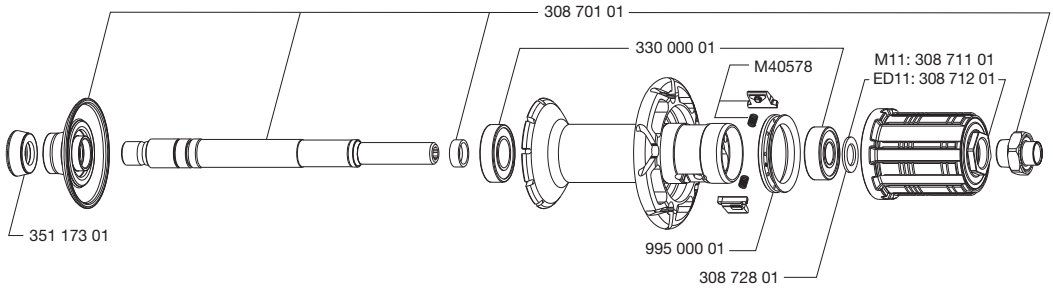
RECOMMENDED TYRE WIDTH
Dimensions: ETRTO 622x13C
Recommended clincher width: 19 to 28 mm

When replacing the rear rim:
1. The rib in the bottom of the rim must be placed on the drive side.
2. The first spoke to the right of the valve hole is a non-traction spoke and should be inserted in the drive side hub.

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:
Front and rear non-drive side: 366 445 01, length 289 mm (per 10, nipples included)
Drive side: 366 444 01, length 287 mm (per 10, nipples included)

FEATURES:
Steel straight pull spokes with steel ABS type spoke nipples at the front and rear on non-drive side, and brass on the drive side.

LACING PATTERN:
Front: radial
Rear: 2-crossed drive side, radial non-drive side

TENSION:
Front: 90 to 100 kg
Rear drive side: 120 to 130 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 301 front quick-release skewer M40149
- BR 301 rear quick-release skewer M40150
- Rim strip 18x622 (1 per wheel)
- Valve extender 118 952 01
- Multifunction adjustment wrench 325 423 01
- Yksion Pro White 23 mm front and rear clincher (328 351 23)
- Mavic butyl inner tubes (127 385 01)
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- Spoke wrench M40001
- User manual
- Sheet of Mavic stickers

MAINTENANCE

Specific tool:
- Front bearing: M40120
- Rear bearing: M40120 & 351 266 01
- Spoke wrench: M40001

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

COSMIC ELITE S

Use: for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TYRE

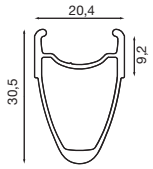
Front	815 g
Rear M11	970 g
Rear ED11	955 g

WHEEL REFERENCES

Front	328 205 10
Rear M11	328 206 11
Rear ED11	328 207 12
Pair M11	328 208 14
Pair ED11	328 209 14

RIMS

SALES REFERENCES Front and rear: 120 173 15

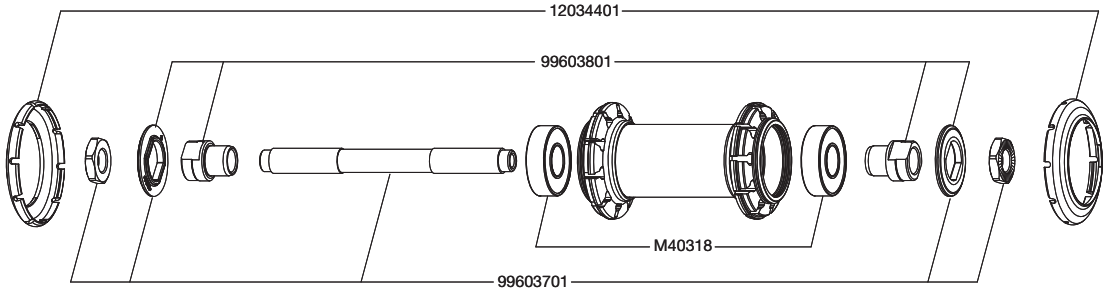


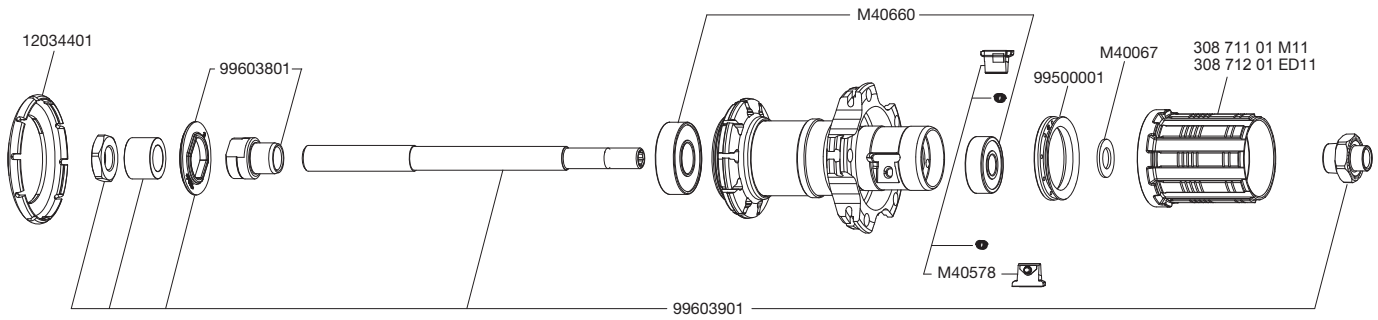
Ø VALVE HOLE
Ø: 6.5 mm

RECOMMENDED TYRE WIDTH
Dimensions: ETRTO 622x15C
Recommended clincher width: 19 to 32 mm

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:
Front and rear non-drive side: 366 448 01, length 276 mm (per 10, nipples included)
Drive side: 366 449 01, length 292 mm (per 10, nipples included)

FEATURES:
Black, bladed, straight pull steel spokes with steel ABS type spoke nipples

LACING PATTERN:
Front: radial
Rear: 2-crossed drive side, radial non-drive side

TENSION:
Front: 90 to 100 kg
Rear drive side: 150 to 160 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 101 front quick-release skewer M40350
- BR 101 rear quick-release skewer M40351
- Rim strip 18x622 (1 per wheel)
- Yksion Comp 23 mm front and rear clincher (325 934 23)
- Mavic butyl inner tubes (127 385 01)
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- User manual

MAINTENANCE

Specific tool:
- Front bearing: M40373
- Rear bearing: M40373

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

AKSIUM S 14 *(White and Red)*

Use: for road bike use only. Any other use (such as on a tandem, cyclo-cross bike, or off-road use...) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TYRE

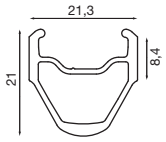
Front	800 g
Rear M11	950 g
Rear ED11	935 g

WHEEL REFERENCES

	WHITE 23	RED 23	WHITE 25
Front	329 362 10	353 616 10	353 613 10
Rear M11	329 363 11	353 617 11	353 614 11
Rear ED11	329 364 12	353 618 12	353 615 12
Pair M11	329 365 14	353 619 14	361 396 14
Pair ED11	329 366 14	353 620 14	361 397 14

RIMS

SALES REFERENCES **White:** Front and rear: 308 608 15
Red: Front and rear: 308 609 15

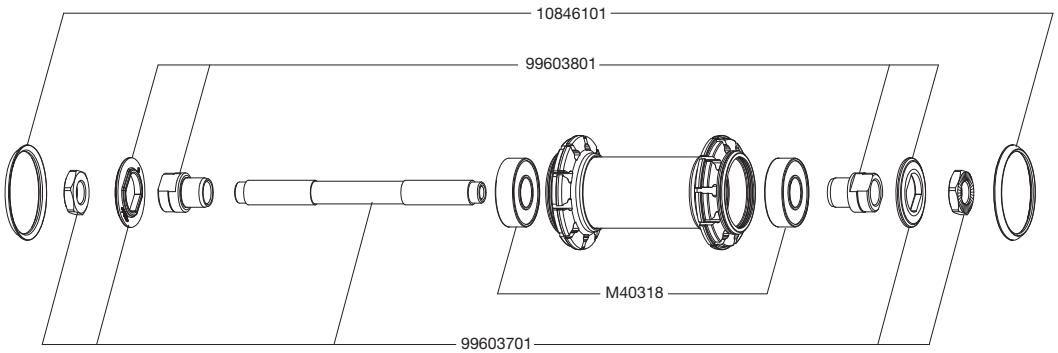


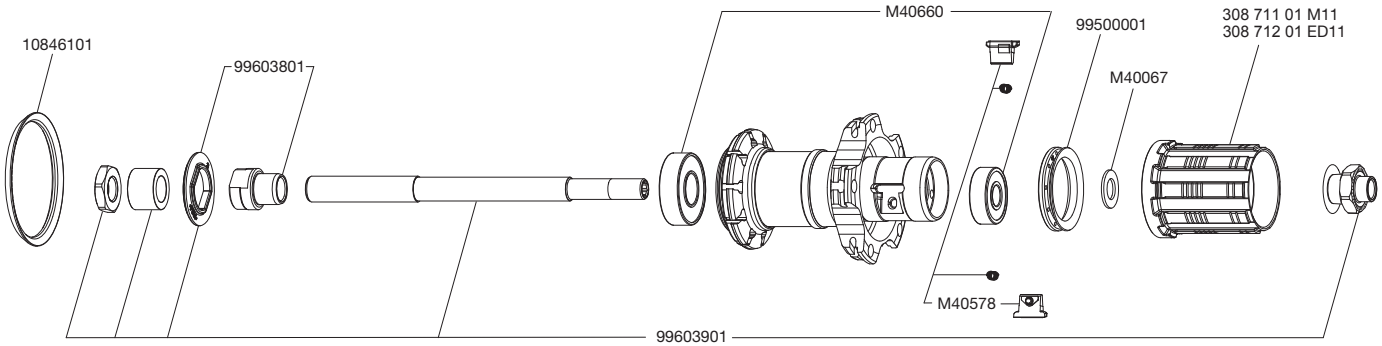
Ø VALVE HOLE
Ø: 6.5 mm

RECOMMENDED TYRE WIDTH
Dimensions: ETRTO 622x15C
Recommended clincher width: 19 to 32 mm

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:
Front and rear non-drive side: 108 449 01, length 282 mm (per 10, nipples included)
Drive side: 108 450 01, length 298 mm (per 10, nipples included)

FEATURES:
Black, bladed, straight pull steel spokes with steel ABS type spoke nipples

LACING PATTERN:
Front: radial
Rear: 2-crossed drive side, radial non-drive side

TENSION:
Front: 100 to 110 kg
Rear drive side: 150 to 160 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 101 front quick-release skewer M40350
- BR 101 rear quick-release skewer M40351
- Rim strip 18x622 (1 per wheel)
- Aksion 23 front and rear clincher (White: 355 704 23 / Red: 355 706 23) or 25 (White: 355 707 23)
- ED11 12D locking ring (with rear wheel ED11) 108 317 01
- Mavic butyl inner tubes (127 385 01)
- User manual

MAINTENANCE

Specific tool:
- Front bearing: M40373
- Rear bearing: M40373

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

CROSSMAX SLR 650b *(27.5)*

INTERNATIONAL STANDARD

Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER

Front:	710 g
Rear:	830 g

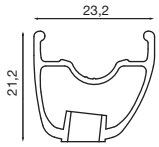
WHEEL REFERENCES

Front:	356 026 10
Rear:	356 027 13
Pair:	356 028 14

RIMS

SALES REFERENCES

Front:	366 925 10
Rear:	366 926 13



Ø VALVE HOLE
Ø: 6.5 mm

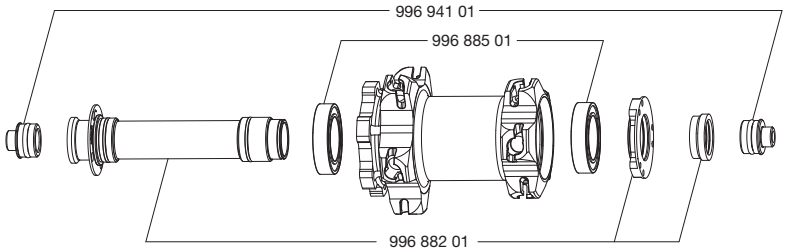
RECOMMENDED TYRE WIDTH
Dimensions: ETRTO 584x19C
Recommended clincher width: 1.5" to 2.3"

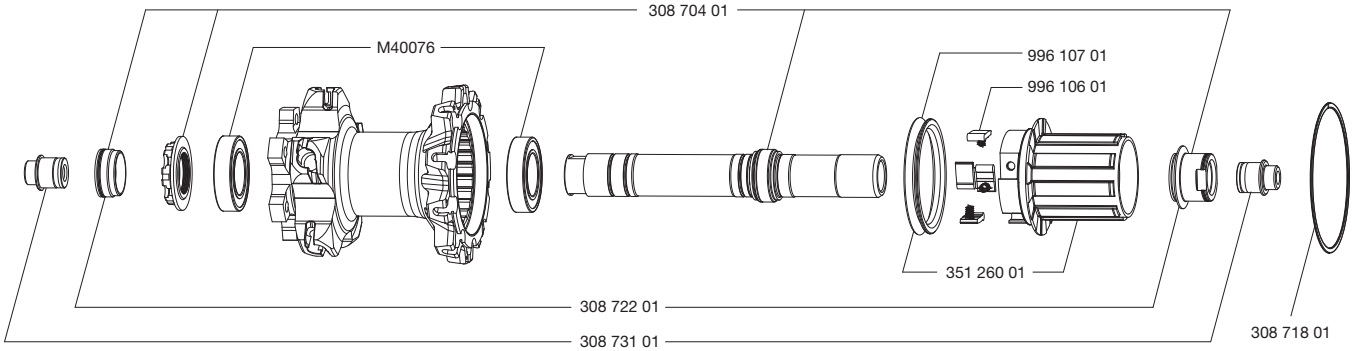
When replacing the front rim:
1. With the valve hole near you, the raised indicator bump must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole is a non-braking spoke and should be inserted in the disc side.

When replacing the rear rim:
1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be introduced into the drive side in a hole marked on the hub.

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:

Front:	366 749 01, length 274 mm (per 10 + 1 decorated, integrated nipples)
Non-drive side:	366 750 01, length 281.5 mm (per 10 + 1 decorated, integrated nipples)
Drive side:	366 751 01, length 251.5 mm, (per 10+1 decorated, integrated nipples)

FEATURES:
Black, bladed, straight pull Zircal spokes with integrated aluminum Fore nipples

LACING PATTERN:
Front: 2-cross lacing on both sides
Rear: Isopulse

TENSION:
Front: 105 to 115 kg
Rear drive side: 105 to 115 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BX 601 rear quick-release M40141
- Mavic wheel bags 857 144 01
- 2 Removable round UST valves 129 838 01
- Front Adapters 15=>9 mm 996 941 01
- Rear Adapter 12=>9.5 mm 308 731 01
- Rear Adapters 12x142 mm 308 593 01
- Computer magnet M40540 (with front wheel)
- Multifunction adjustment wrench 325 423 01
- 2 sets of specific disc screws (6 screws per set) 308 719 01
- User manual
- Sheet of Mavic stickers

MAINTENANCE

Specific tool:

• Front bearing:	996 887 01
• Rear bearing:	M40119
• Spoke wrench:	996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

CROSSMAX SLR 650b *(27.5) Center-Lock*

CENTER-LOCK

Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER

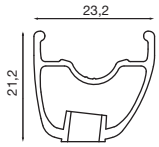
Front:	710 g
Rear:	830 g

WHEEL REFERENCES

Front:	356 032 10
Rear:	356 033 13
Pair:	356 034 14

RIMS

SALES REFERENCES Front: 366 925 10 Rear: 366 926 13



Ø VALVE HOLE
Ø: 6.5 mm

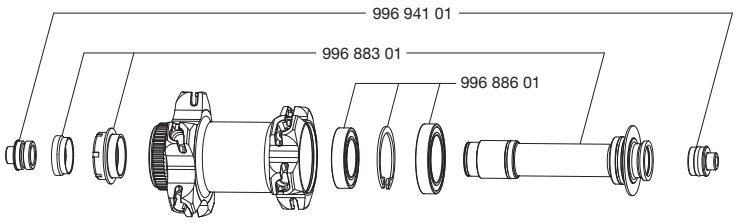
RECOMMENDED TYRE WIDTH
Dimensions: ETRTO 584x19C
Recommended clincher width: 1.5” to 2.3”

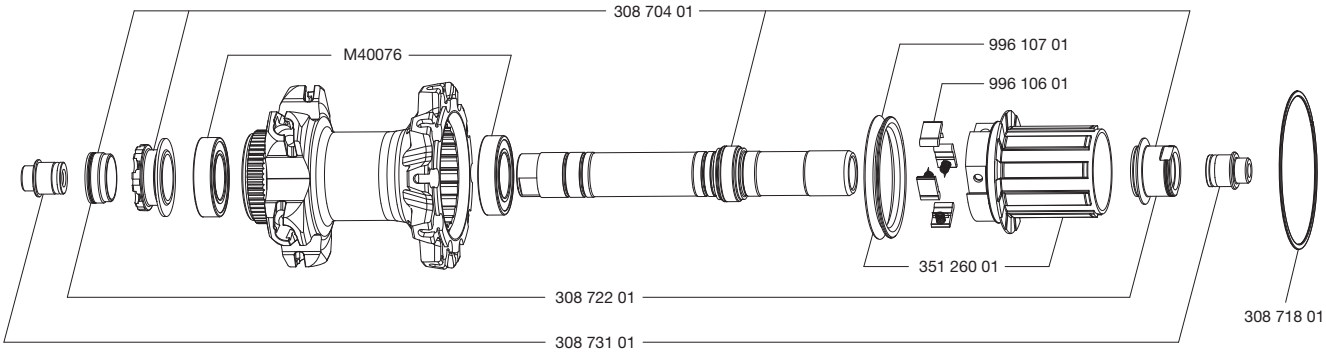
When replacing the front rim:
1. With the valve hole near you, the raised indicator bump must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole is a non-braking spoke and should be inserted in the disc side.

When replacing the rear rim:
1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be introduced into the drive side in a hole marked on the hub.

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:

Front:	366 749 01, length 274 mm (per 10+1 decorated, integrated nipples)
Non-drive side:	366 750 01, length 281.5 mm (per 10 + 1 decorated, integrated nipples)
Drive side:	366 751 01, length 251.5 mm, (per 10+1 decorated, integrated nipples)

FEATURES:
Black, bladed, straight pull Zircal spokes with integrated aluminum Fore nipples

LACING PATTERN:
Front: 2-cross lacing on both sides
Rear: Isopulse

TENSION:
Front: 105 to 115 kg
Rear drive side: 105 to 115 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BX 601 rear quick-release M40141
- Mavic wheel bags 857 144 01
- 2 Removable round UST valves 129 838 01
- Front Adapters 15=>9 mm 996 941 01
- Rear Adapter 12=>9.5 mm 308 731 01
- Rear Adapters 12x142 mm 308 593 01
- Multifunction adjustment wrench 325 423 01
- User manual
- Sheet of Mavic stickers

MAINTENANCE

Specific tool:
- Front bearing: M40119 & M40218
- Rear bearing: M40119
- Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

CROSSMAX SLR 650b *(27.5) Lefty*

INTERNATIONAL STANDARD

Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

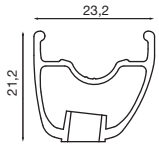
WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER

Front: 710 g
Rear: 830 g

CANNONDALE OEM

RIMS

SALES REFERENCES Front: 366 925 10
Rear: 366 926 13



Ø VALVE HOLE
Ø: 6.5 mm

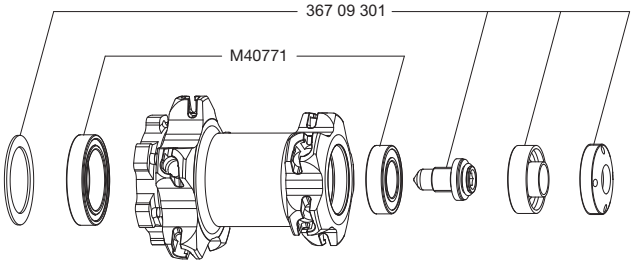
RECOMMENDED TYRE WIDTH
Dimensions: ETRTO 584x19C
Recommended clincher width: 1.5" to 2.3"

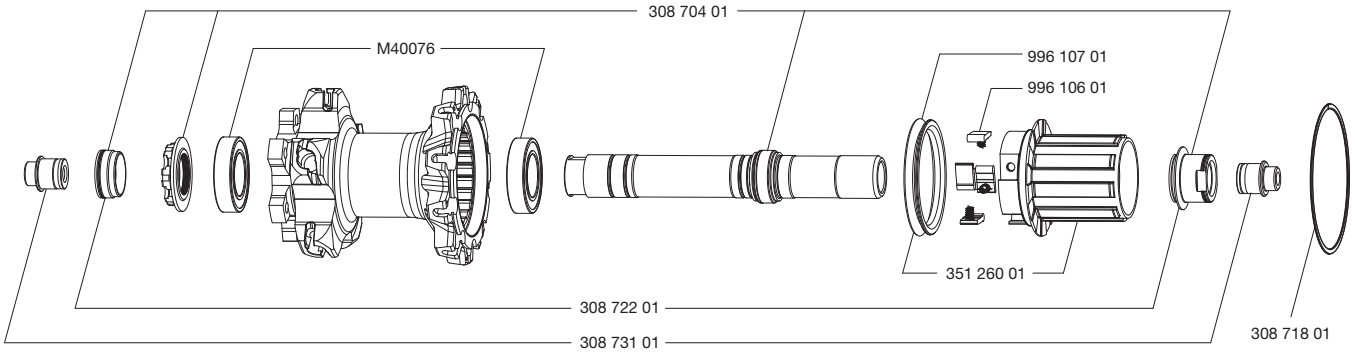
When replacing the front rim:
1. With the valve hole near you, the raised indicator bump must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole is a non-braking spoke and should be inserted in the disc side.

When replacing the rear rim:
1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be introduced into the drive side in a hole marked on the hub.

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:

Front:	366 749 01, length 274 mm (per 10+1 decorated, integrated nipples)
Non-drive side:	366 750 01, length 281.5 mm (per 10 + 1 decorated, integrated nipples)
Drive side:	366 751 01, length 251.5 mm (per 10 + 1 decorated, integrated nipples)

FEATURES:
Black, bladed, straight pull Zircal spokes with integrated aluminum Fore nipples

LACING PATTERN:
Front: 2-cross lacing on both sides
Rear: Isopulse

TENSION:
Front: 105 to 115 kg
Rear drive side: 105 to 115 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BX 601 rear quick-release M40141
- Mavic wheel bags 857 144 01
- 2 Removable round UST valves 129 838 01
- Rear Adapter 12=>9.5 mm 308 731 01
- Rear Adapters 12x142 mm 308 593 01
- Computer magnet M40540 (with front wheel)
- Multifunction adjustment wrench 325 423 01
- Lefty assembly accessories M40777
- 2 sets of specific disc screws (6 screws per set) 308 719 01
- User manual
- Sheet of Mavic stickers

MAINTENANCE

Specific tool:
- Front bearing: 996 887 01 & M40218
- Rear bearing: M40119
- Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

CROSSMAX ST 29 *Lefty*

INTERNATIONAL STANDARD

Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

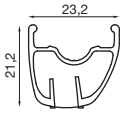
WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER

Front: 825 g
Rear: 885 g

CANNONDALE OEM

RIMS

SALES REFERENCES Front: 351 174 10
Rear: 351 174 13



Ø VALVE HOLE
Ø: 6.5 mm

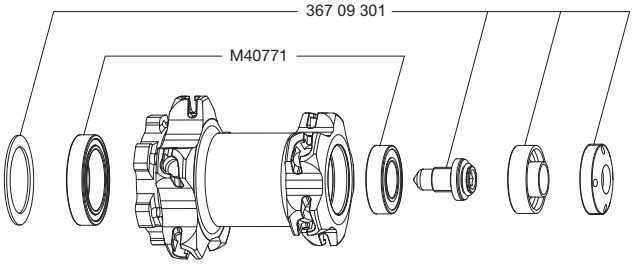
RECOMMENDED TYRE WIDTH
Dimensions: ETRTO 622x19C
Recommended clincher width: 1.5” to 2.3”

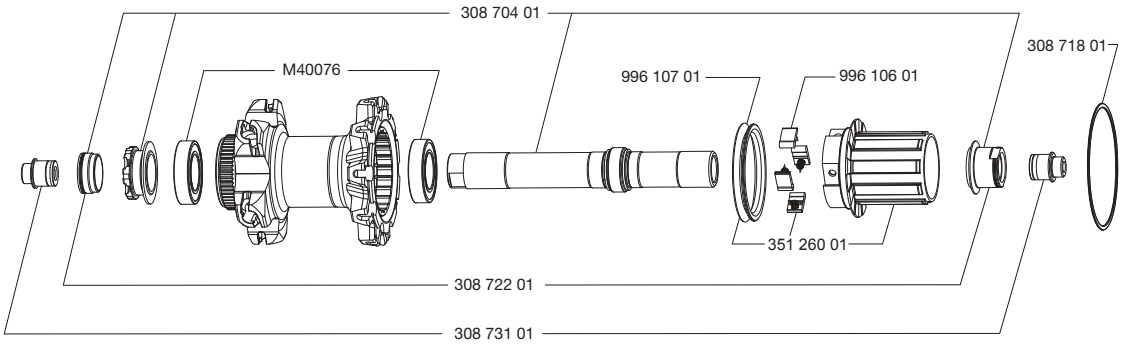
When replacing the front rim:
1. With the valve hole near you, the raised indicator bump must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole is a non-braking spoke and should be inserted in the disc side.

When replacing the rear rim:
1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be introduced into the drive side in a hole marked on the hub.

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:

Front:	351 175 01, length 292.5 mm (per 12 + 1 decorated, integrated nipples)
Drive side:	351 176 01, length 270.5 mm (per 10 + 1 decorated, integrated nipples)
Non-drive side:	351 179 01, length 300.5 mm (per 10, integrated nipples)

FEATURES:
Black, round, straight pull Zircal spokes with integrated aluminum Fore nipples

LACING PATTERN:
Front: 2-cross lacing on both sides
Rear: Isopulse

TENSION:
Front: 110 to 125 kg
Rear drive side: 110 to 125 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BX 601 rear quick-release M40141
- 2 Removable round UST valves 129 838 01
- Rear Adapter 12=>9.5 mm 308 731 01
- Rear Adapters 12x142 mm 308 593 01
- Computer magnet M40540 (with front wheel)
- Multifunction adjustment wrench 325 423 01
- Lefty assembly accessories M40777
- 2 sets of specific disc screws (6 screws per set) 308 719 01
- User manual
- Sheet of Mavic stickers

MAINTENANCE

Specific tool:
- Front bearing: 996 887 01 & M40218
- Rear bearing: M40119
- Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

CROSSMAX ENDURO WTS 26

INTERNATIONAL STANDARD

Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TYRE

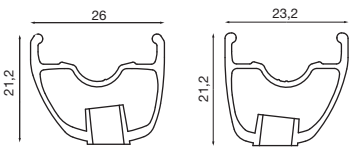
Front:	825 g
Rear:	835 g

REFERENCES

Front:	355 217 10
Rear:	355 218 13
Pair:	355 219 14

RIMS

SALES REFERENCES Front: 366 460 10
Rear: 366 467 13



Ø VALVE HOLE
Ø: 6.5 mm

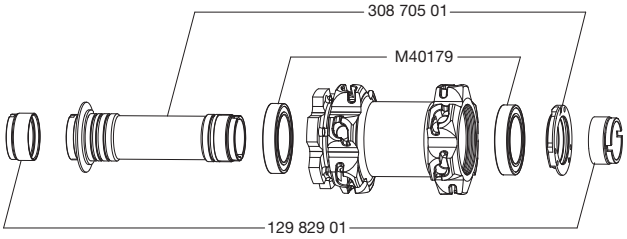
RECOMMENDED TYRE WIDTH
Dimensions: Front ETRTO 559x21C and Rear ETRTO 559x19C
Recommended clincher width: Front: 2.1" to 2.5"
Rear: 1.5" to 2.3"

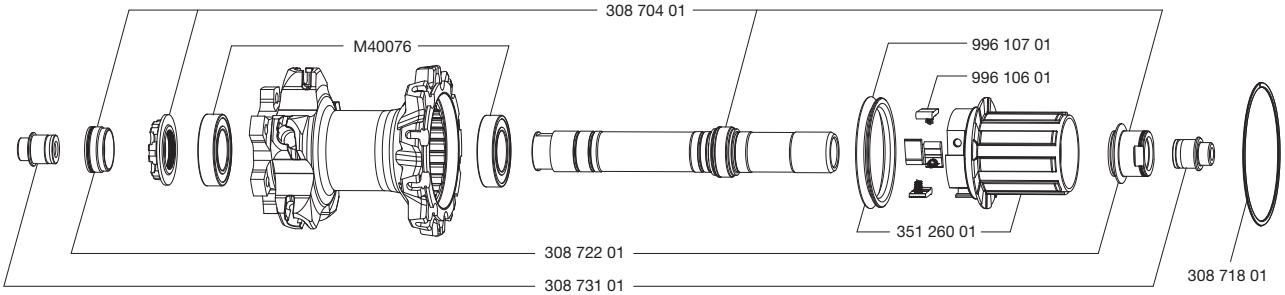
When replacing the front rim:
1. With the valve hole near you, the raised indicator bump must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole is a non-braking spoke and should be inserted in the disc side.

When replacing the rear rim:
1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be introduced into the drive side in a hole marked on the hub.

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:

Front:	366 468 01, length 261.5 mm (per 11 + 1 decorated, integrated nipples)
Drive side:	366 472 01, length 239 mm (per 9 + 1 decorated, integrated nipples)
Non-drive side:	366 471 01, length 269 mm (per 10, integrated nipples)

FEATURES:
Bladed, straight pull Zircal spokes with integrated aluminum Fore nipples

LACING PATTERN:
Front: 2-cross lacing on both sides
Rear: Isopulse

TENSION:
Front: 105 to 125 kg
Rear drive side: 105 to 125 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BX 601 rear quick-release M40141
- 2 Removable round UST valves 129 838 01
- Front Adapters 15 mm 129 828 01
- Front Adapters 20mm 129 829 01
- Rear Adapter 12=>9.5 mm 308 731 01
- Rear Adapters 12x142 mm 308 593 01
- Multifunction adjustment wrench 325 423 01
- Crossmax Charge front clincher 26x2.40 (356 296 24)
- Crossmax Roam XL rear clincher 26x2.30 (356 297 23)
- 2 sets of specific disc screws (6 screws per set) 308 719 01
- User manual
- Sheet of Mavic stickers

OPTIONS

- Front Adapters 9 mm + quick-release skewer: 129 827 01

MAINTENANCE

Specific tool:
- Front bearing: M40119 & M40218
- Rear bearing: M40119
- Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

CROSSMAX ENDURO WTS 650b *(27.5)*

INTERNATIONAL STANDARD

Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TYRE

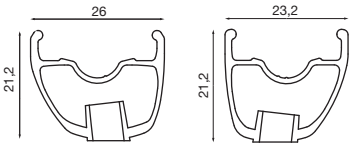
Front: 850 g
Rear: 860 g

REFERENCES

Front: 356 087 10
Rear: 356 088 13
Pair: 356 089 14

RIMS

SALES REFERENCES Front: 366 923 10
Rear: 366 924 13



Ø VALVE HOLE
Ø: 6.5 mm

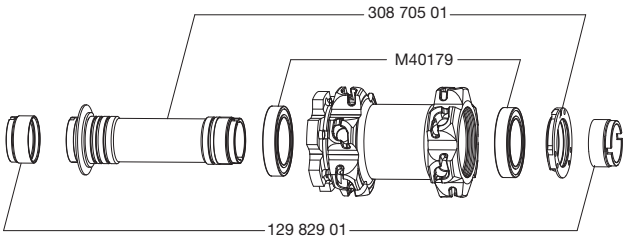
RECOMMENDED TYRE WIDTH
Dimensions: Front ETRTO 584x21C and Rear ETRTO 584x19C
Recommended clincher width: Front: 2.1" to 2.5"
Rear: 1.5" to 2.3"

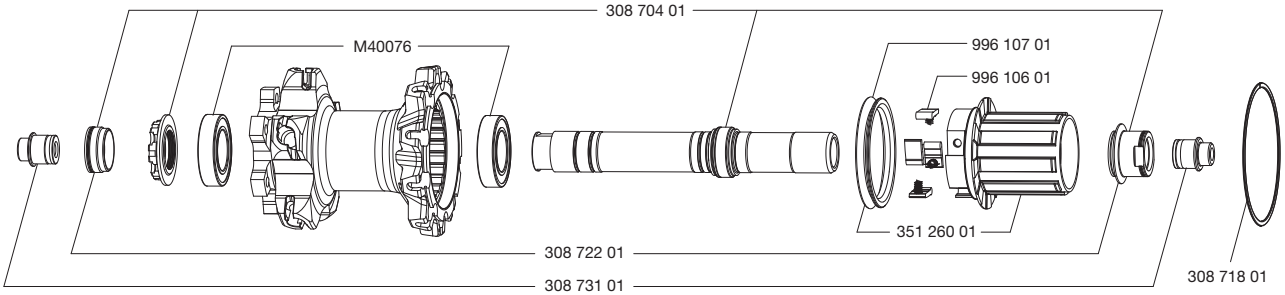
When replacing the front rim:
1. With the valve hole near you, the raised indicator bump must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole is a non-braking spoke and should be inserted in the disc side.

When replacing the rear rim:
1. With the valve hole near you, the two raised indicator bumps must be to the right of the valve hole.
2. The spoke in the first hole to the right of the valve hole should be introduced into the drive side in a hole marked on the hub.

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:
Front: 366 749 01, length 274 mm (per 11 + 1 decorated, integrated nipples)
Drive side: 366 751 01, length 251.5 mm (per 9 + 1 decorated, integrated nipples)
Non-drive side: 366 750 01, length 281.5 mm (per 10, integrated nipples)

FEATURES:
Bladed, straight pull Zircal spokes with integrated aluminum Fore nipples

LACING PATTERN:
Front: 2-cross lacing on both sides
Rear: Isopulse

TENSION:
Front: 105 to 125 kg
Rear drive side: 105 to 125 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BX 601 rear quick-release M40141
- 2 Removable round UST valves 129 838 01
- Front Adapters 15 mm 129 828 01
- Front Adapters 20mm 129 829 01
- Rear Adapter 12=>9.5 mm 308 731 01
- Rear Adapters 12x142 mm 308 593 01
- Multifunction adjustment wrench 325 423 01
- Crossmax Charge front clincher 27.5x2.40 (356 364 24)
- Crossmax Roam XL rear clincher 27.5x2.20 (356 365 22)
- 2 sets of specific disc screws (6 screws per set) 308 719 01
- User manual
- Sheet of Mavic stickers

OPTIONS

- Front Adapters 9 mm + quick-release skewer: 129 827 01

MAINTENANCE

Specific tool:
- Front bearing: M40119 & M40218
- Rear bearing: M40119
- Spoke wrench: 996 079 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

CROSSROC WTS 26

INTERNATIONAL STANDARD

Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TYRE

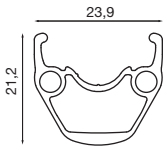
Front: 815 g
Rear: 940 g

WHEEL REFERENCES

Front: 354 010 10
Rear: 354 011 13
Pair: 354 012 14

RIMS

SALES REFERENCES Front and rear: 366 927 15

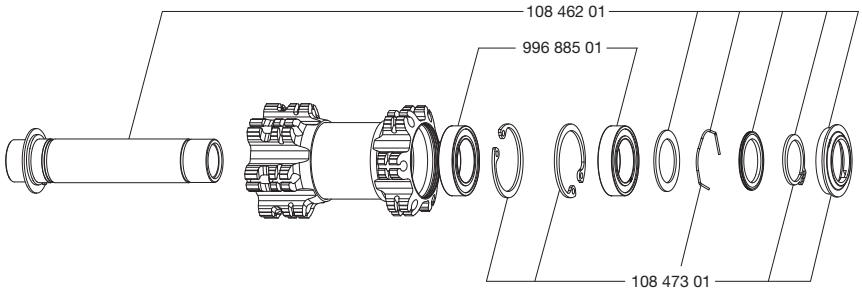


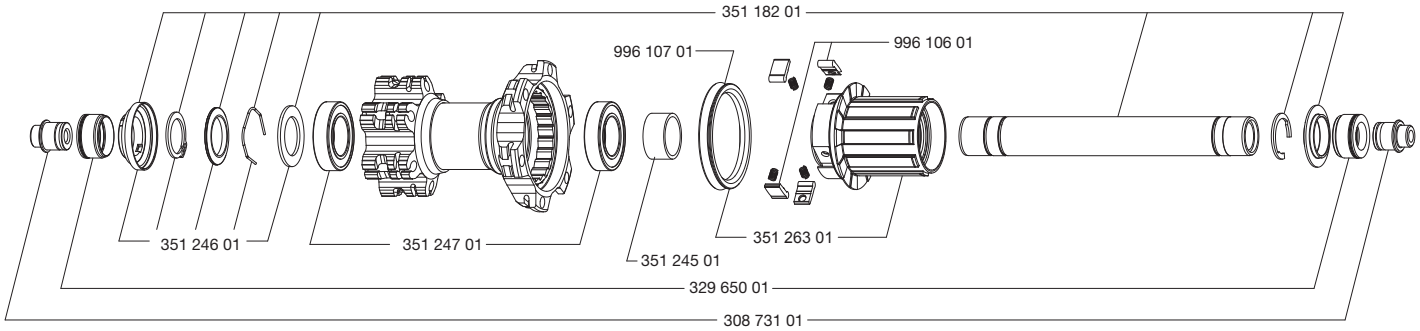
Ø VALVE HOLE
Ø: 6.5 mm

RECOMMENDED TYRE WIDTH
Dimensions: ETRTO 559x19C
Recommended clincher width: 1.5” to 2.3”

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:
Front and rear non-drive side: 366 752 01, length 263 mm (per 12, nipples included)
Drive side: 366 753 01, length 261 mm (per 12, nipples included)

FEATURES:
Black, swaged, bladed, straight pull steel spokes with steel ABS type spoke nipples

LACING PATTERN:
Front and rear: 2-cross lacing on both sides

TENSION:
Front: 105 to 120 kg
Rear drive side: 105 to 120 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 101 rear quick-release skewer M40351
- Tubeless rim strip 19x559 (1 per wheel): 359 936 01
- 2 Removable round UST valves 129 838 01
- Rear Adapter 12=>9.5 mm 308 731 01
- Crossroc Roam front and rear clincher 26x2.30 (356 295 23)
- User manual

OPTIONS

- Front Adapters 9 mm + quick-release skewer: 996 941 01

MAINTENANCE

Specific tool:
- Front bearing: 108 850 01 & 996 887 01
- Rear bearing: M40119

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

CROSSROC WTS 650b *(27.5)*

INTERNATIONAL STANDARD

Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TYRE

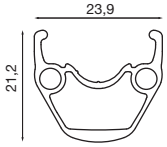
Front:	855 g
Rear:	970 g

WHEEL REFERENCES

Front:	353 075 10
Rear:	353 076 13
Pair:	353 077 14

RIMS

SALES REFERENCES Front and rear: 366 928 15

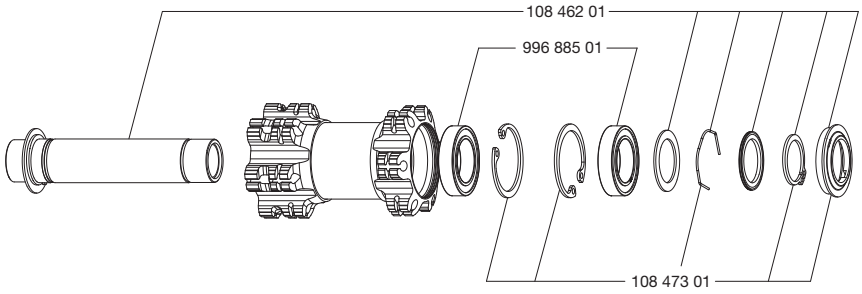


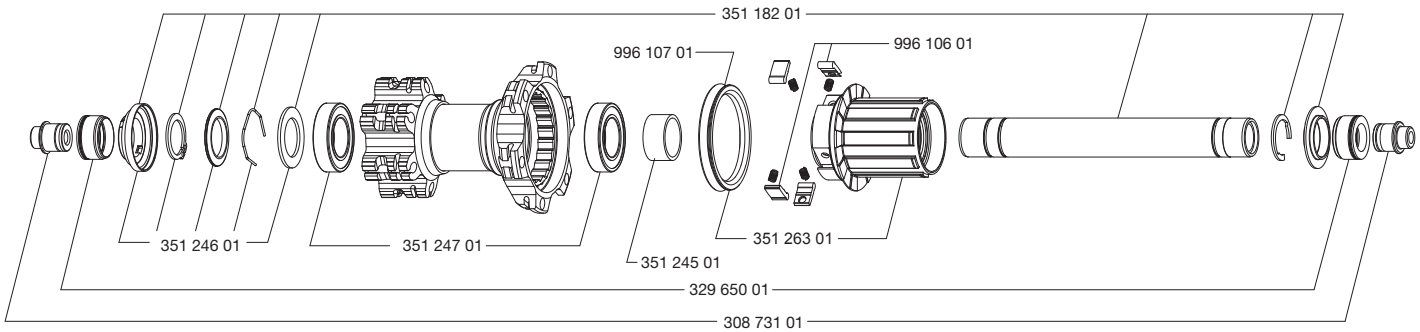
Ø VALVE HOLE
Ø: 6.5 mm

RECOMMENDED TYRE WIDTH
Dimensions: ETRTO 584x19C
Recommended clincher width: 1.5” to 2.3”

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:
Front and rear non-drive side: 366 892 01, length 277 mm (per 12, nipples included)
Drive side: 366 893 01, length 275 mm (per 12, nipples included)

FEATURES:
Black, swaged, bladed, straight pull steel spokes with steel ABS type spoke nipples

LACING PATTERN:
Front and rear: 2-cross lacing on both sides

TENSION:
Front: 105 to 120 kg
Rear drive side: 105 to 120 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 101 rear quick-release skewer M40351
- Tubeless rim strip 19x584 (1 per wheel): 359 937 01
- 2 Removable round UST valves 129 838 01
- Rear Adapter 12=>9.5 mm 308 731 01
- Valve reduction M40381
- Crossroc Roam front and rear clincher 27.5x2.20 (356 289 22)
- User manual

OPTIONS

- Front Adapters 9 mm + quick-release skewer: 996 941 01

MAINTENANCE

Specific tool:
- Front bearing: 108 850 01 & 996 887 01
- Rear bearing: M40119

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

CROSSROC WTS 650b *(27.5) Lefty Supermax*

INTERNATIONAL STANDARD

Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

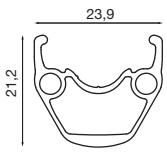
WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TYRE

Front: 855 g
Rear: 970 g

CANNONDALE OEM

RIMS

SALES REFERENCES Front and rear: 366 928 15

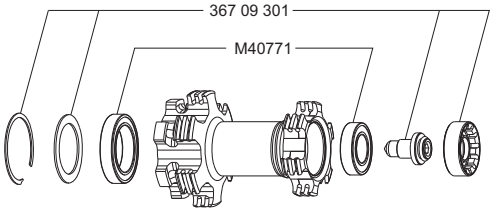


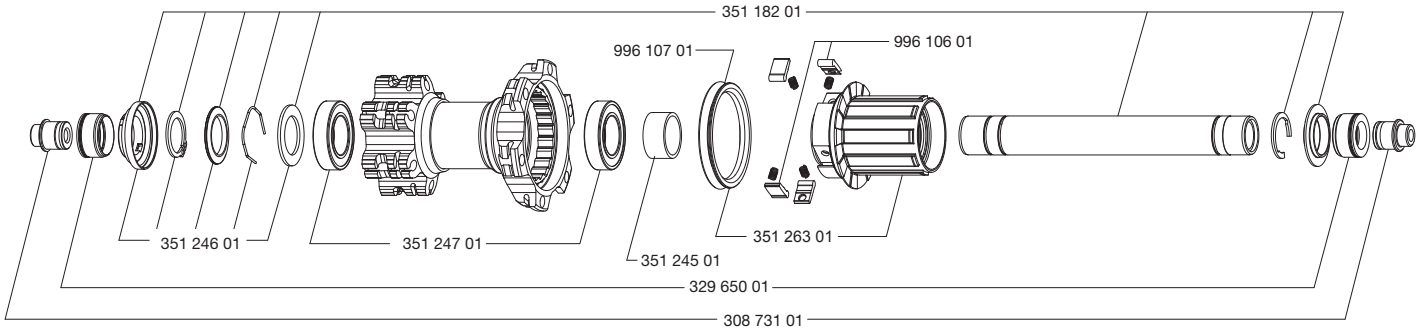
Ø VALVE HOLE
Ø: 6.5 mm

RECOMMENDED TYRE WIDTH
Dimensions: ETRTO 584x19C
Recommended clincher width: 1.5” to 2.3”

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:

Front: 366 894 01, length 282 mm (per 12, nipples included)
Drive side: 366 893 01, length 275 mm (per 12, nipples included)
Non-drive side: 336 892 01, length 277 mm (per 12, nipples included)

FEATURES:
Black, swaged, bladed, straight pull steel spokes with steel ABS type spoke nipples

LACING PATTERN:
Front and rear: 2-cross lacing on both sides

TENSION:
Front: 105 to 120 kg
Rear drive side: 105 to 120 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 101 rear quick-release skewer M40351
- Tubeless rim strip 19x584 (1 per wheel): 359 937 01
- 2 Removable round UST valves 129 838 01
- Rear Adapter 12=>9.5 mm 308 731 01
- Valve reduction M40381
- Crossroc Roam front and rear clincher 27.5x2.20 (356 289 22)
- Lefty assembly accessories M40777
- User manual

MAINTENANCE

Specific tool:
- Front bearing: 996 887 01 & M40218
- Rear bearing: M40119

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

CROSSROC WTS 29

INTERNATIONAL STANDARD

Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TYRE

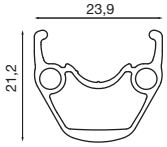
Front:	905 g
Rear:	1025 g

REFERENCES

Front:	353 028 10
Rear:	353 029 13
Pair:	353 030 14

RIMS

SALES REFERENCES: front and rear: 366 929 15

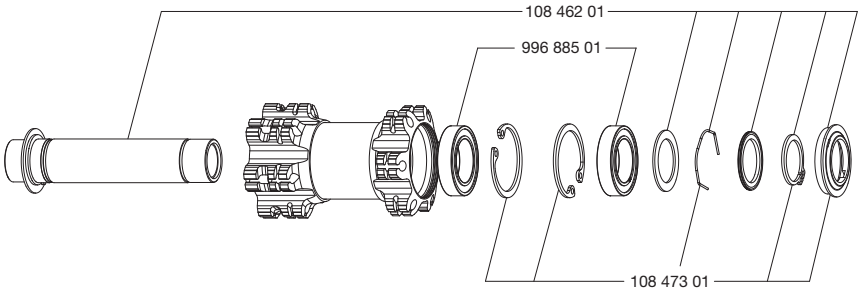


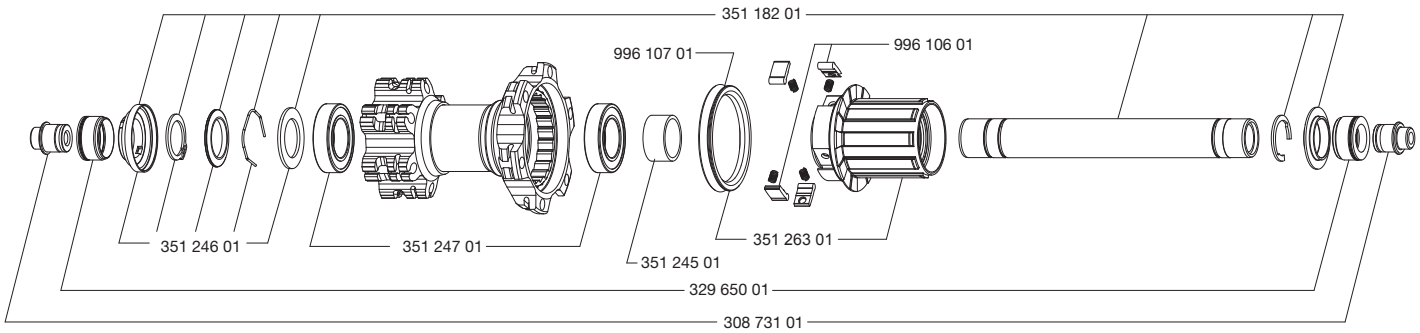
Ø VALVE HOLE
Ø: 6.5 mm

RECOMMENDED TYRE WIDTH
Dimensions: ETRTO 622x19C
Recommended clincher width: 1.5” to 2.3”

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:
Front and rear non-drive side: 366 895 01, length 295 mm (per 12, nipples included)
Rear drive side: 366 896 01, length 293 mm (per 12, nipples included)

FEATURES:
Black, swaged, bladed, straight pull steel spokes with steel ABS type spoke nipples

LACING PATTERN:
Front and rear: 2-cross lacing on both sides

TENSION:
Front: 105 to 120 kg
Rear drive side: 105 to 120 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 101 rear quick-release skewer M40351
- Tubeless rim strip 19x622 (1 per wheel): 359 938 01
- 2 Removable round UST valves 129 838 01
- Rear Adapter 12=>9.5 mm 308 731 01
- Crossroc Roam front and rear clincher 29x2.20 (356 288 22)
- User manual

OPTIONS

- Front Adapters 9 mm + quick-release skewer: 996 941 01

MAINTENANCE

Specific tool:
- Front bearing: 108 850 01 & 996 887 01
- Rear bearing: M40119

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

CROSSROC WTS 29 *Lefty*

INTERNATIONAL STANDARD

Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

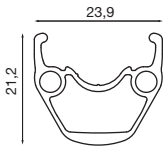
WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TYRE

Front: 905 g
Rear: 1025 g

CANNONDALE OEM

RIMS

SALES REFERENCES Front and rear: 366 929 15

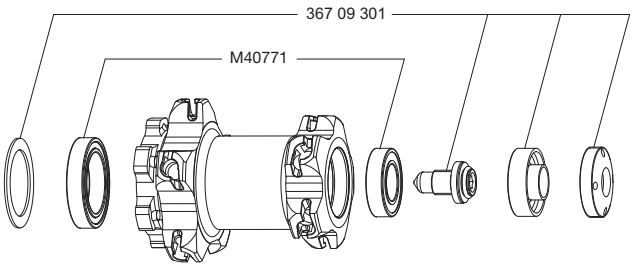


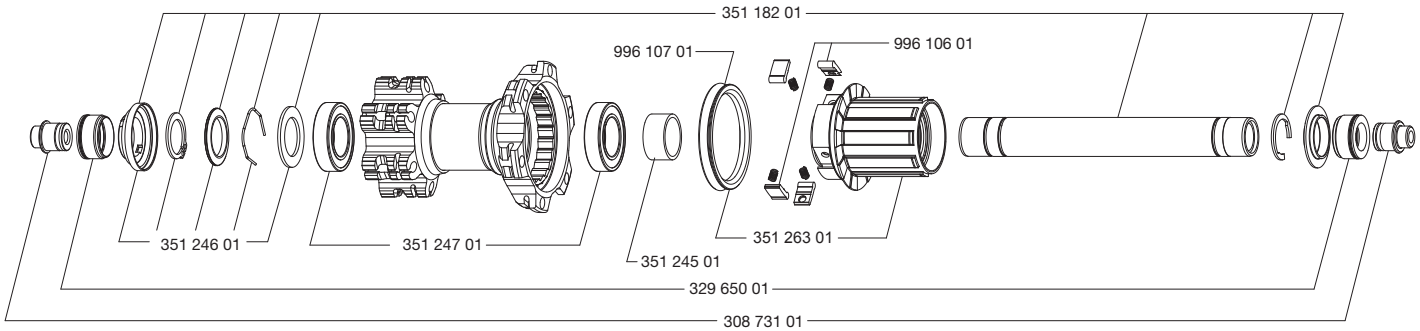
Ø VALVE HOLE
Ø: 6.5 mm

RECOMMENDED TYRE WIDTH
Dimensions: ETRTO 622x19C
Recommended clincher width: 1.5” to 2.3”

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:

Front:	366 897 01, length 301 mm (per 12, nipples included)
Drive side:	366 896 01, length 293 mm (per 12, nipples included)
Non-drive side:	366 895 01, length 295 mm (per 12, nipples included)

FEATURES:
Black, swaged, bladed, straight pull steel spokes with steel ABS type spoke nipples

LACING PATTERN:
Front and rear: 2-cross lacing on both sides

TENSION:
Front: 105 to 120 kg
Rear drive side: 105 to 120 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 101 rear quick-release skewer M40351
- Tubeless rim strip 19x622 (1 per wheel): 359 938 01
- 2 Removable round UST valves 129 838 01
- Rear Adapter 12=>9.5 mm 308 731 01
- Valve reduction M40381
- Crossroc Roam front and rear clincher 29x2.20 (356 288 22)
- Lefty assembly accessories M40777
- User manual

MAINTENANCE

Specific tool:
- Front bearing: 996 887 01 & M40218
- Rear bearing: M40119

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

CROSSROC WTS 29 *Lefty Supermax*

INTERNATIONAL STANDARD

Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

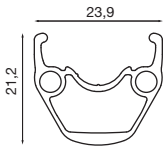
WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER AND WITHOUT TYRE

Front: 905 g
Rear: 1025 g

CANNONDALE OEM

RIMS

SALES REFERENCES Front and rear: 366 929 15

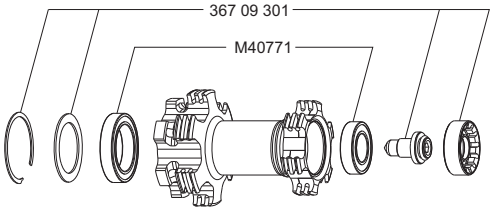


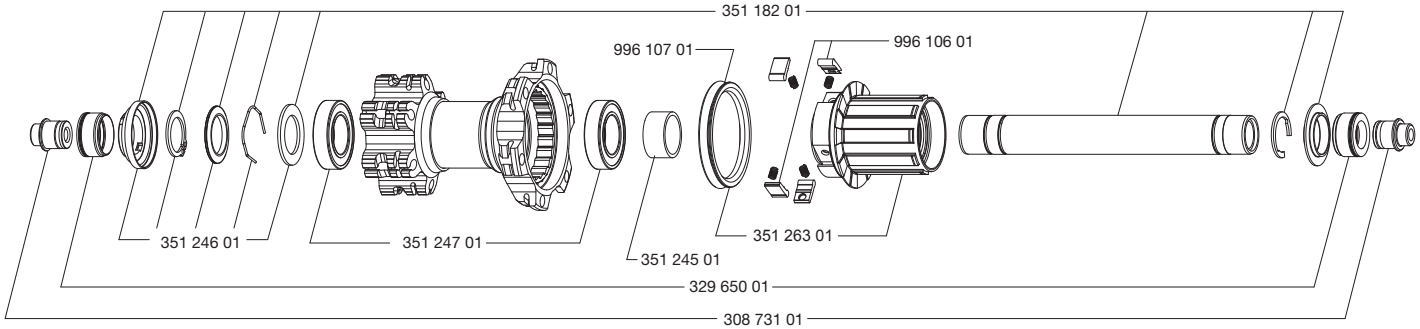
Ø VALVE HOLE
Ø: 6.5 mm

RECOMMENDED TYRE WIDTH
Dimensions: ETRTO 622x19C
Recommended clincher width: 1.5" to 2.3"

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:

Front: 366 897 01, length 301 mm (per 12, nipples included)
Drive side: 366 896 01, length 293 mm (per 12, nipples included)
Non-drive side: 366 895 01, length 295 mm (per 12, nipples included)

FEATURES:
Black, swaged, bladed, straight pull steel spokes with steel ABS type spoke nipples

LACING PATTERN:
Front and rear: 2-cross lacing on both sides

TENSION:
Front: 105 to 120 kg
Rear drive side: 105 to 120 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 101 rear quick-release skewer M40351
- Tubeless rim strip 19x622 (1 per wheel): 359 938 01
- 2 Removable round UST valves 129 838 01
- Rear Adapter 12=>9.5 mm 308 731 01
- Valve reduction M40381
- Crossroc Roam front and rear clincher 29x2.20 (356 288 22)
- Lefty assembly accessories M40777
- User manual

MAINTENANCE

Specific tool:
- Front bearing: 996 887 01 & M40218
- Rear bearing: M40119

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

CROSSRIDE DISC 650b *(27.5)*

INTERNATIONAL STANDARD

Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER

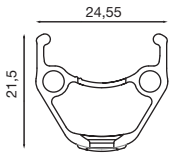
Front:	905 g
Rear:	1020 g

REFERENCES

Front:	356 057 10
Rear:	356 058 13
Pair:	356 059 14

RIMS

SALES REFERENCES Front and rear: 366 933 15

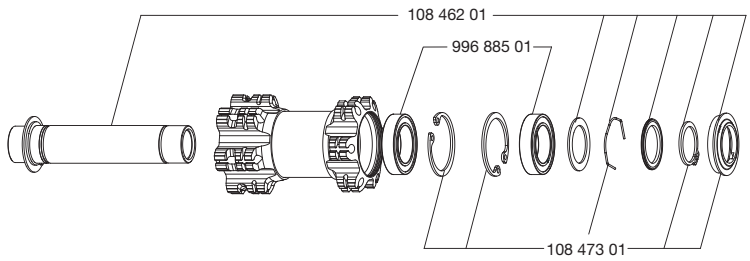


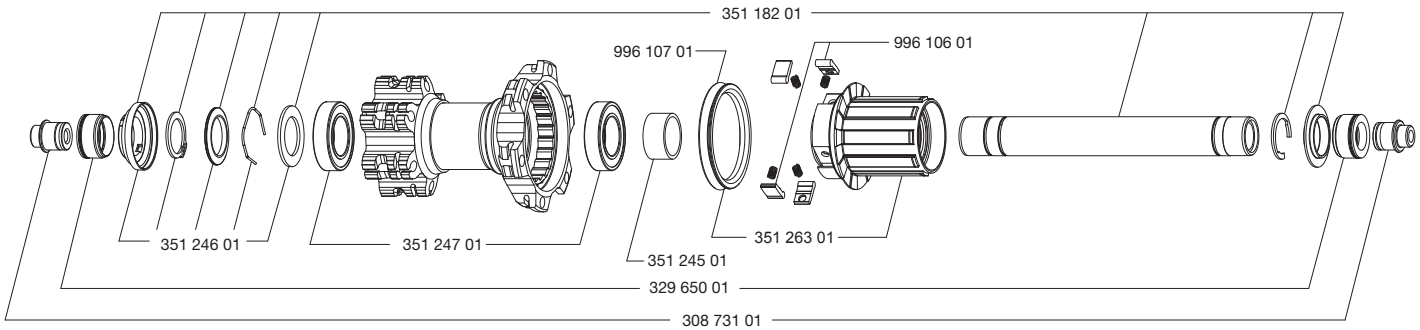
Ø VALVE HOLE
Ø: 8.5 mm

RECOMMENDED TYRE WIDTH
Dimensions: ETRTO 584x19C
Recommended clincher width: 1.5” to 2.3”

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:
Front and rear non-drive side: 366 915 01, length 277 mm (per 12, nipples included)
Rear drive side: 366 916 01, length 275 mm (per 12, nipples included)

FEATURES:
Black, bladed, straight pull steel spokes with steel ABS type spoke nipples

LACING PATTERN:
Front and rear: 2-cross lacing on both sides

TENSION:
Front: 100 to 120 kg
Rear drive side: 115 to 125 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- Rim strip 20x584 (1 per wheel)
- Rear Adapters 12x142 mm: 329 650 01
- Valve reduction M40381
- User manual

OPTIONS

Front Adapters 9 mm + quick-release skewer: 996 941 01
Rear Adapters 9x135 mm + quick-release skewer: 308 731 01

MAINTENANCE

Specific tool:
- Front bearing: 108 850 01 & 996 887 01
- Rear bearing: M40119

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

CROSSONE 26 / 650b / 29 9 mm

INTERNATIONAL STANDARD

Use: use only on a Cross-country or Cross-mountain MTB fitted with disc brakes. Any other use (such as on a tandem, road bike, cyclo-cross bike, free-ride or downhill bike…) is highly inadvisable, is the sole responsibility of the user and voids the Mavic warranty.

Recommended maximum weight of the cyclist and equipment: 100 kg.

WHEEL WEIGHT WITHOUT QUICK-RELEASE SKEWER

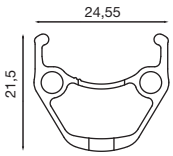
26":	Front:	850 g
	Rear:	1035 g
650b:	Front:	905 g
	Rear:	1090 g
29":	Front:	950 g
	Rear:	1135 g

REFERENCES

26":	Front / Rear:	354 034 10 / 354 035 13
	Pair:	354 036 14
650b:	Front / Rear:	356 072 10 / 356 073 13
	Pair:	356 074 14
29":	Front / Rear:	354 024 10 / 354 025 13
	Pair:	354 026 14

RIMS

SALES REFERENCES **26":** Front and rear: 366 930 15 / **650b:** Front and rear: 366 931 15 / **29":** Front and rear: 366 932 15

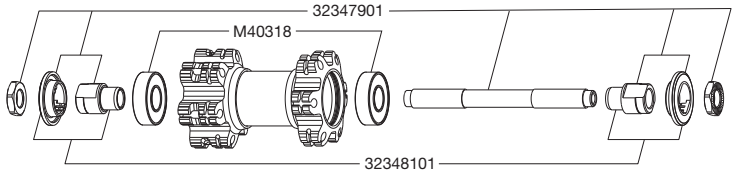


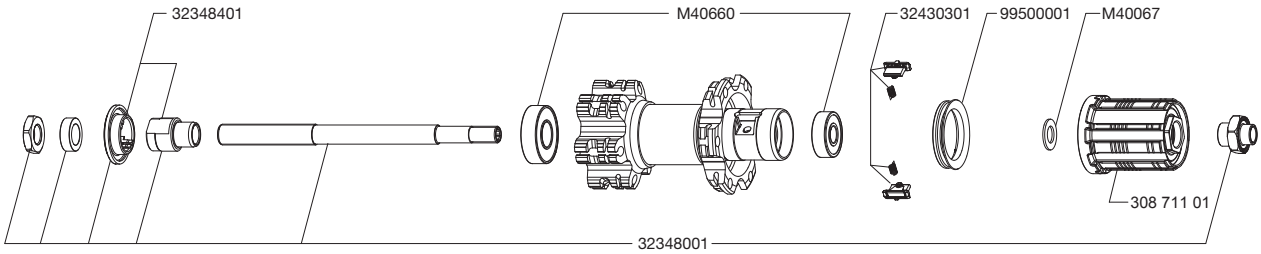
Ø VALVE HOLE
Ø: 8.5 mm

RECOMMENDED TYRE WIDTH
Dimensions: **26":** ETRTO 559x19C
650b: ETRTO 584x19C
29": ETRTO 622x19C
Recommended clincher width: 1.5" to 2.3"

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

REFERENCES AND LENGTHS:

26":	Front and rear non-drive side:	366 898 01, length 264 mm (per 12, nipples included)
	Rear drive side:	366 900 01, length 262 mm (per 12, nipples included)
650b:	Front and rear non-drive side:	366 901 01, length 278 mm (per 12, nipples included)
	Rear drive side:	366 902 01, length 276 mm (per 12, nipples included)
29":	Front and rear non-drive side:	366 903 01, length 296 mm (per 12, nipples included)
	Rear drive side:	366 904 01, length 294 mm (per 12, nipples included)

FEATURES:
Black, round, straight pull steel spokes with steel ABS type spoke nipples

LACING PATTERN:
Front and rear: 2-cross lacing on both sides

TENSION:
Front: 100 to 120 kg
Rear drive side: 115 to 125 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 101 front quick-release skewer M40350
- BR 101 rear quick-release skewer M40351
- Rim strip (1 per wheel): **26":** 20x559
  650b: 20x584
  29": 20x622
- Valve reduction M40381
- User manual

MAINTENANCE

Specific tool:
- Front bearing: M40119 & M40373
- Rear bearing: M40119 & M40373

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

CROSSONE 26 / 650b / 29 15 mm

INTERNATIONAL STANDARD

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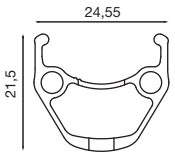
26":	Front:	850 g
	Rear:	1035 g
650b:	Front:	905 g
	Rear:	1090 g
29":	Front:	950 g
	Rear:	1135 g

REFERENCES

26":	Front:	356 629 10
	Pair:	356 638 14
650b:	Front:	356 632 10
	Pair:	356 641 14
29":	Front:	356 635 10
	Pair:	356 644 14

RIMS

SALES REFERENCES **26":** Front and rear: 366 930 15 / **650b:** Front and rear: 366 931 15 / **29":** Front and rear: 366 932 15

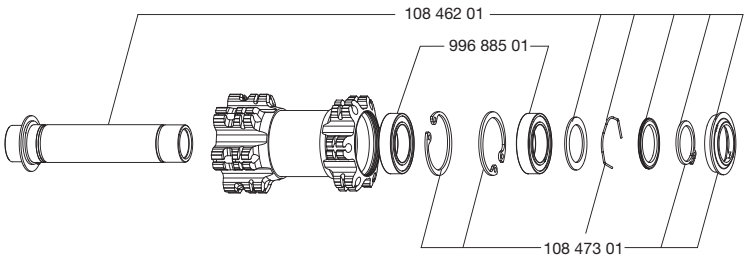


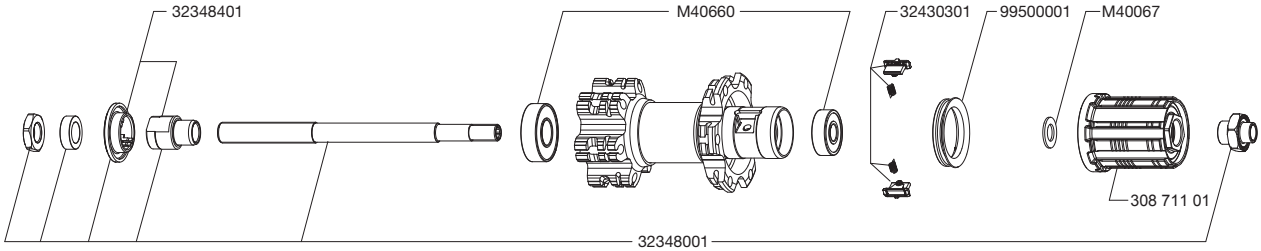
Ø VALVE HOLE
Ø: 8.5 mm

RECOMMENDED TYRE WIDTH
Dimensions: **26":** ETRTO 559x19C
650b: ETRTO 584x19C
29": ETRTO 622x19C
Recommended clincher width: 1.5" to 2.3"

HUBS

MAINTENANCE: Clean with a dry cloth or soapy water if necessary.
Do not use a high-pressure washer.





WHEEL BUILDING

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650b:	Front and rear non-drive side:	366 901 01, length 278 mm (per 12, nipples included)
	Rear drive side:	366 902 01, length 276 mm (per 12, nipples included)
29":	Front and rear non-drive side:	366 903 01, length 296 mm (per 12, nipples included)
	Rear drive side:	366 904 01, length 294 mm (per 12, nipples included)

FEATURES:
Black, round, straight pull steel spokes with steel ABS type spoke nipples

LACING PATTERN:
Front and rear: 2-cross lacing on both sides

TENSION:
Front: 100 to 120 kg
Rear drive side: 115 to 125 kg

ACCESSORIES

WHEELS SUPPLIED WITH:

- BR 101 rear quick-release skewer M40351
- Rim strip (1 per wheel): **26":** 20x559
  650b: 20x584
  29": 20x622
- Valve reduction M40381
- User manual

MAINTENANCE

Specific tool:
- Front bearing: 108 850 01 & 996 887 01
- Rear bearing: M40119 & M40373

OPTIONS

- Front Adapters 9 mm + quick-release skewer: 996 941 01

Refer to the website for quick and convenient access to maintenance information (replacement of an axle, bearings, free wheel, spokes, and rims)
www.tech-mavic.com

WHEEL MAINTENANCE

WARRANTY REMINDER

Before any repair of a Mavic wheel (or any other Mavic product), please note that it is guaranteed against manufacturing or material defects for a period of two years from the date of purchase by the original user.

This means that:

- During the warranty period and when it is clearly covered by the warranty (first contact your MSC), you must return the Mavic wheel (or any other Mavic product) directly to your MSC to benefit in full from the Mavic warranty.

  However, if you decide to repair the wheel (or any other Mavic product) yourself, your customer will no longer benefit from the Mavic warranty.

- For repairs after the warranty period has expired, we advise you to refer to the following pages before carrying out work on the Mavic wheel. When replacing the rim, please note the new serial number of the rim on the original warranty card and the date of replacement.

Your customer's new rim will only be covered by the Mavic warranty if this procedure is followed.

In the event the wheels delivered with a Mavic tyre are defective, please send the wheel and its tyre (tubular, inner tube) non-disassembled to your MSC.
In the event the wheels delivered with a Mavic tyre (tubular, inner tube) are defective, please indicate the serial number of the Mavic wheel on which it was mounted

REPAIRS

The following pages will help you maintain the wheels of the 2014 range and are laid out as follows:

Compatibility and MTB adapters. ..... Page 28

Any maintenance operation not detailed in the following pages can be found in the technical manuals from previous years.
All these procedures can be consulted on www.tech-mavic.com

Before any operation, we recommend removing:

- the wheel from the bike by releasing the quick-release skewer
- the skewer, the tyre
- the cassette and chain disc (if necessary) for the rear wheel
- the brake disc (if necessary)

MTB WHEEL COMPATIBILITY

20x110 mm		2012 - 2013	Crossmax ST 012 & 29" / SX 012 & 29", Deemax Ultimate 012, Crossmax Enduro	129 829 01
20x110 mm		2012	Crossline 012	996 994 01
15x100 mm		2012 - 2013	Crossmax ST 012 & 29" / SX 012, Deemax Ultimate 012, Crossmax Enduro	129 828 01
9x100 mm		2012 - 2013	Crossmax ST 012 & 29" / SX 012, Deemax Ultimate 012, Crossmax Enduro	129 827 01
15x100 mm -> 9x100 mm		2009 - 2013	Crossmax SLR 012 & 27.5" & 29", SLR 09, Crossmax ST 10, Crosstrail 11, Crossride Disc, Crossroc, Crossone	996 941 01
20x110 mm -> 9x100 mm		2009 - 2011	Crossline 09, Deetraks 09, Deemax 09	995 039 01

12x135 mm		2012 - 2013	Crossmax SLR 012 / ST 012 / SX 012, Deemax Ultimate 12x135 mm 012	308 722 01
12x135 mm -> 9.5x135 mm		2012 - 2013	Crossmax SLR 012 & 29" / ST 012 & 29"/ SX 012, Deemax Ultimate 12x135 mm 012 / Crosstrail 013 / Crossride 29 013 / Crossride 15 / 12 mm 013	308 731 01
12x135 mm -> 12x142 mm		2012 - 2013	Crossmax SLR 012 & 29" / ST 012 & 29"/ SX 012, Deemax Ultimate 12x135 mm 012	308 593 01
12x135 mm -> 12x142 mm		2013	Crosstrail 013 / Crossride 29 013 / Crossride 15/12 mm 013	329 650 01
12x150 mm		2012 - 2013	Deemax Ultimate 12x150 mm 012	308 722 01
12x135 mm -> 9.5x135 mm		2009 - 2011	Crossmax SX 09, Crossline 09, Deetraks 09, Deemax 09, Deemax Ultimate 10	996 942 01
12x135 mm -> 12x142 mm		2009 - 2011	Crossmax SX 09, Crossline 09, Deetraks 09, Deemax 09, Deemax Ultimate 10	107 298 01

Concerns the ITS-4 2009-2011 wheels mounted with the retro-fit kit 308 715 01 (12x135 mm) or 308 714 01 (12x150 mm)

12x135 mm		2009 - 2011	Crossmax SX 09, Crossline 09, Deetraks 09, Deemax 09, Deemax Ultimate 10	308 721 01 (Disc side) 308 722 01 (Drive side)
12x135 mm -> 12x142 mm		2009 - 2011	Crossmax SX 09, Crossline 09, Deetraks 09, Deemax 09, Deemax Ultimate 10	308 721 01 (Disc side) 308 593 01 (Drive side)
12x150 mm		2009 - 2011	Deetraks 12x150 mm 09, Deemax 12x150 mm 09, Deemax Ultimate 12x150 mm 10	308 721 01 (Disc side) 308 722 01 (Drive side)

GENERAL

CONDITIONS OF USE FOR A RIM

CONDITIONS OF USE TO BE GIVEN TO YOUR CUSTOMERS

Mavic uses the most advanced technology in the design of its rims and wheels. However, a rim cannot last forever and wears down according to its use: type of riding, terrain, brake pad, spoke tension, tires, tyre pressure, weather conditions, etc.

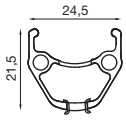
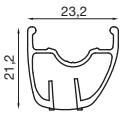
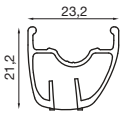
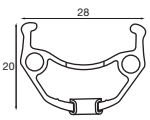
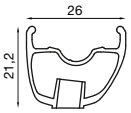
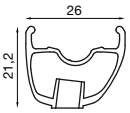
Each rim has been designed for a specific use and discipline (Road, Cross-country, Freeride, Downhill, Touring…). Any other use of a rim for which it has not been designed is highly inadvisable, the sole responsibility of the user and voids the Mavic warranty.

Please advise your customers of the following points:

- Choose a suitable rim designed for the type of riding you wish to do: do not use a road rim on an MTB, do not use Cross-country rims to build wheels for a bike to be used for freeride, downhill...;
- You must follow the instructions in this technical manual for tyre pressure and sizes (see following charts);
- Respect the appropriate spoke tensions; Mavic recommends spoke tensions between 70 and 90 kg (for a front or rear wheel on the free wheel side with a crossed 3 pattern). Inappropriate spoke tension can generate too much stress and damage the rim;
- Clean the rims regularly using the Mavic soft stone (M40410);
- Remove stones and metal particles from the brake pads;
- Replace the brake pads when they are worn;
- Do not use a rim if the braking surfaces are worn, if eyelets are missing, or in any other case where safety might be compromised. The rim is a part that wears out as do brake pads, and must be replaced if it is worn (sidewall hollowed by wear, or cut out, cracked rim…);
- For rims fitted with a wear indicator (internal or external) do not continue to use the rim if the indicator appears (internal wear indicator) or disappears (external wear indicator) on at least one of the 2 braking surfaces;
- For rims not fitted with a wear indicator, use a depth gauge to check that the maximum wear on each side is not more than 0.4 mm;
- Check or have your rims checked regularly, at least at the start of each season and if possible after intensive use or if you have a doubt about spoke tension or the type of tyre used. When checking, look inside (especially under the rim tape) and outside the rim. Check for signs of fatigue or wear: damage to braking surfaces, appearance or disappearance of the wear indicator (only on rims fitted with a wear indicator), cracks in the sidewalls or around the eyelets…;
- The total weight of the rider and his/her equipment (not including the bike) must not exceed the following values:
  - Road rims: 100 kg;
  - All Road rims: 105 kg for A 119, A 319 and A 317 Disc rims,
    125 kg for the A 719 rim;
  - MTB rims: 90 kg for XM 117, XM 119 Disc, XM 317, XM 319 Disc, XM 517, XC 717, XC 717 Disc, TN 119 Disc, TN 319 Disc rims;
    115 kg for XM 719, XM 719 Disc, TN 719 Disc, XM 819, XM 819 Disc, EN 521 Disc, EN 321 Disc, EN 821 Disc, EX 325 Disc, EX 721, EX 729 Disc and EX 823 Disc rims.

Following these recommendations will guarantee longer product life for the rims, maximum performance and riding enjoyment.

FEATURES OF THE NEW 2014 RIMS

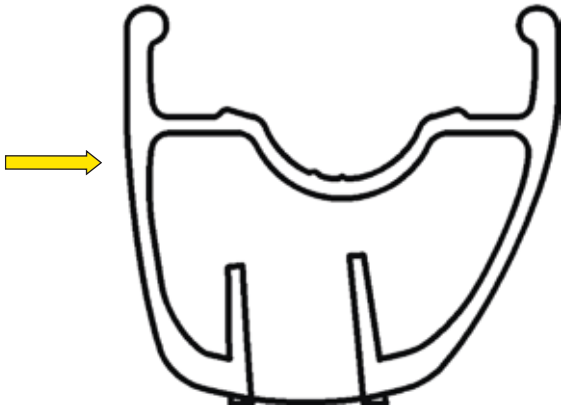
		MTB Fast & Light			MTB Tough & Dynamic		
		XM 319 DISC 650b / 27.5	XM 819 DISC	XM 819 DISC 29	EN 321 DISC 650b / 27.5	EN 821 DISC	EN 821 DISC 29
Rim cross section							
Material		6106	Maxtal	Maxtal	6106	Maxtal	Maxtal
Valve hole diameter (in mm)		8.5 including valve adapter	6.5	6.5	8.5 including valve adapter	6.5	6.5
ETRTO compatibility		584x19	559x19	622x19	584x21	559x21	622x21
Recommended tyre width (in inches)		1,5 to 2,3	1,5 to 2,3	1,5 to 2,3	2,0 to 2,5	2,0 to 2,5	2,0 to 2,5
Eyelets		simple	Fore	Fore	simple	Fore	Fore
Nominal weight (in grams)		535	405	450	590	460	505
Finish and drilling	*Noir 32 trous*	355 455 32	355 450 32	355 451 32	355 461 32	355 459 32	355 460 32
	Black 36 holes	355 455 36			355 461 36		
Recommended spoke nipple length (in mm)		12	-	-	12	-	-
Spoke support diameter (in mm)		556.5	532	594.5	560.4	532	594.5
Recommended rim strip (ETRTO x width x thickness)		584 x 20 x 0,6	-	-	584 x 20 x 0,6	-	-

MOUNTING OF THE NEW 2014 RIMS: XM 819 / XM 819 29"/ EN 821 / EN 821 29"

These high-end rims have an asymmetrical profile for better balance of spoke tension and ensure better rim and wheel ageing.

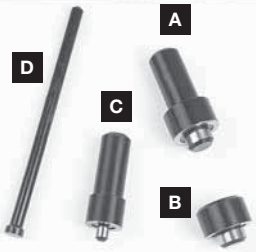
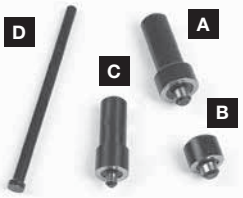
Care must thus be taken to ensure proper rim fitting direction.
A sticker placed on the weld (opposite the valve) indicates the rotation direction for front or rear mounting:

FRONT RIM	TRANSMISSION SIDE
REAR RIM	DISC SIDE

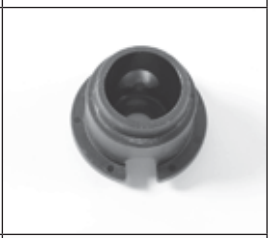


FRONT RIM	DISC SIDE
REAR RIM	TRANSMISSION SIDE

TOOLS

REFERENCE	DESCRIPTION	PRODUCT
M40119	Bearing press kits for bearings: M40075 M40076	
M40120	Bearing press kits for bearings: M40077 M40078	
323 909 01	Bearing press kit for R-Sys SL bearings	
M40373	Guide ring and bearing press kit for bearings: M40318 M40660	
M40218	Bearing press kit for bearings: M40179	
308 732 01	Bearing press kit for the front bearings of DCL 20 mm hubs (ITS-4 generation - starting in 2009)	
323 945 01	Kit jet de montage pour les roulements Lefty: M40771	
996 887 01	Bearing press kit for Lefty bearings: M40771	
996 901 01	Bearing press kit for bearings M40076 used in ITS4 free wheel system hubs	

A+B: Press kit for the front wheel.
A+C: Press kit for the rear wheel.
D: Press kits for the front and rear wheels.
E: Press kits for the front and rear wheel bearings.
F: Guide ring for the 12 mm Allen wrench required to remove the free wheel from Crossroc UST, Crossroc UST Disc, Crossride, Crossride Céramic, Cosmos and Cosmic Élite wheels.

REFERENCE	DESCRIPTION	PRODUCT
351 266 01	Bearing press kit for 330 000 01 bearings with an internal diameter of 9 mm	
996 080 01	Tracomp ring tool	
M40001	Spoke adjustment wrench for Cosmic Carbone, Cosmic Carbone SSC, Cosmic Carbone SL, Cosmic Carbone SLR and Cosmic Carbon SR wheels	
101 295 01	R2R spoke head tool	
996 079 01	Tracomp spoke wrench kit and new M7s (starting in 2011)	
M40652	Zamac spoke wrench for Fore M7 6-notch nuts (before 2011 - except R-Sys)	
M40630	Zamac spoke wrench for Fore M7 6-notch nuts (before 2011 - except R-Sys) Screw-in eyelet tightening wrench kit for Fore M9 pierced wheels and rims.	
996 220 01	Cosmic Carbone Ultimate spoke wrench kit	
108 471 01	Composite spoke wrench kit for M7 7-notch nuts	

REFERENCE	DESCRIPTION	PRODUCT
M40494	Composite spoke wrench kit for M7 6-notch nuts + spoke retainer	
325 423 01	Multifunction adjustment wrench: - Adjustment of QRM+ bearings - Flat spoke retainer - Spoke wrench M7 - Tyre lever	
323 477 01	Multifunction tool: Removing the UST Tubeless rim strip (A) Installation of the yellow or grey UST rim strip of Crossland© wheels only - Do not use on black UST rim strip Adjusting the front axles on the Cosmos, Ksyrium Équipe, Crossland, Cosmic Élite 05 and Speedcity 05, Aksium, Crossride 06 Crossride Disc, Crosstrail, Crosstrail Disc, Crossone Aksium 08, Ksyrium Equipe 08, Crossride UB/Disc 08, Crossride UB (B), Aksium 10, Aksium MY12	
996 136 01	Mavic mineral oil for lubricating FTS, FTS-L, FTS-X and ITS4 free wheel bodies. Content 60 ml. Use this oil only for lubricating FTS, FTS-L, FTS-X and ITS4 free wheel bodies.	
996 204 01	Mavic threadlocker. Content 5 ml.	
M40410	Mavic abrasive rubber rim stone for cleaning the braking surface of the rim, Ceramic or UB Control only.	

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